

Annual Report

2023-2024



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Tasveer
IIITD PHOTOGRAPHY
SOCIETY

Executive Summary

As IIIT-Delhi marks its 16th Foundation Day, it stands as a beacon of transformation in higher education. Since its inception in 2008, IIIT-Delhi has committed itself to transforming lives through high-quality education, pioneering research, and visionary leadership. The Institute's industry-focused approach, robust international collaborations, and socially relevant initiatives drive its mission. By catalyzing innovation-driven entrepreneurship, IIIT-Delhi aims to address the nation's strategic objectives and meet the emerging demands of a global society. The Institute continually strives to elevate its standards and set new benchmarks. The past year has been exemplary in teaching, achieving research excellence, engaging globally, transferring knowledge, making a social impact, conducting outreach activities, and pursuing entrepreneurial ventures. This report encapsulates the Institute's achievements over the past year.

IIIT-Delhi currently offers eight B.Tech. programs, including five interdisciplinary ones, three PG programs with eight specializations, and a Doctorate in six allied disciplines. In the year 2023, the Institute admitted **617 students into the B.Tech. programs, 253 students into the M.Tech. programs, and 72 Ph.D. students.**

IIIT-Delhi will organize its Thirteenth Convocation ceremony this year, and **Dr. S. Somanath** will be the Chief Guest. **Dr. Somanath** is the chairman of Indian Space Research Organisation. He is an expert in the field of space technology and systems engineering of launch vehicles. During last year's Convocation, the Institute conferred degrees upon **452 B.Tech., 233 M.Tech., 4 M.Tech. Dual degree, and 26 Ph.D. students.**



The faculty members at IIIT-Delhi are among the finest in the country and are recognized internationally. IIIT-D has recruited its 100th regular faculty member this year. Last year, IIIT-D initiated five Institute Chair positions to recognize exceptional contributions to research and teaching. Several faculty members received distinguished awards and accolades, including the Fellowship of the National Academy of Sciences, Member (PT) TRAI, INSA Young Associates Award 2024, Humboldt Research Fellowship, Merck Young Scientist Award, EMBO Young Investigator, Cognitive Science Research Initiative Grant, member of National Committee for adoption of Space Technology Education, India Science Book Fellowship, nominated by ANRF to the ASEAN India Women Scientists Conclave, SERB Fellowship, French SRTF Grant, and many more. I am happy to share that IIIT-Delhi faculty members featured in the Top 2% of most influential Scientists (Single Year) in 2023 on the Stanford University List. IIIT-Delhi's project on antimicrobial resistance also won the joint-second prize in the Trinity Challenge, a global competition, and entails funding of ₹6,00,000 over the next three years.

Last year, IIIT-Delhi strengthened its existing international partnerships and established several new ones. IIIT-Delhi hosted the President of the **University of Illinois at Urbana Champaign**, Timothy L. Killeen, alongside Donald J. Edwards, Chairman, Board of Trustees, and other officials. The two institutions signed a Memorandum of Understanding (MoUs), laying the foundation for joint Ph.D. student guidance, faculty and student exchanges, joint research proposal writing, cooperation in healthcare, and strengthening the startup ecosystem. An interesting idea during the deliberations was the possibility of **Delhi-Chicago becoming 'sister cities' to explore cooperation in the startup space jointly**. President of the **State University of New York, Albany**, Prof. Havidan Rodriguez, also visited IIIT-Delhi and signed an MoA for enabling dual degree programs at the undergraduate and graduate levels, facilitating faculty exchanges, developing short-term academic and cultural experiences, exploring cooperative research projects, and opportunities for students to take courses and engage in internships, and research. Top officials from several other universities visited IIIT-D to establish academic and research collaborations, including the Vice Chancellor for Global Affairs at the **University of Nebraska Lincoln**, the Chancellor of **Charles University, Czech Republic**, the Minister of Information Technologies and Communications of Colombia, and the Deputy Minister of MOE, Taiwan.

Faculty and students at IIIT-Delhi continue to provide ingenious solutions to challenging global problems, driven by a commitment to cutting-edge, meaningful, and impactful research embedded in our institutional DNA. **Last year, IIIT-D faculty members and students published 478 research papers, including 202 journal papers, 194 conference papers, 63 workshop papers, and 19 book/book chapters.** Some research papers have received the best paper/poster awards at notable national and international conferences. IIIT-Delhi's faculty members actively collaborate internationally, establishing partnerships with top universities worldwide. Last year, they collaborated with peers in **over 40 countries**, resulting in diverse research initiatives.

External research funding plays a vital role in sustaining the research ecosystem, serving as a key driver for fostering both curiosity-driven and application-oriented research in higher education institutions. In the financial year 2023-24, the Institute secured funding for **40** new sponsored research projects, amounting to over **Rs. 18 crore**. In addition to sponsored research, the Institute also receives support for consultancy projects, fellowship initiatives, corporate collaborations, and funding for research centers and educational programs.

IIIT-Delhi's story of evolution continued last year with the establishment of the new **Centre for Intelligent Product Development (CiPD)**. This unique Centre is dedicated to developing innovative, high-tech products that are both groundbreaking and incorporate emerging technologies. CiPD aims to nurture hardware design capabilities through research and strategic collaborations, creating a supportive startup ecosystem. Its establishment marks a significant step towards realizing the vision of an "Atmanirbhar Bharat" in electronics. CiPD is also working closely with the **Electropreneur Park**, which recently received its phase II funding for Rs. 16 crore from MeitY, and is housed at IIIT-D.

The **Centre of Excellence in Healthcare** at IIIT-Delhi has signed a memorandum of understanding with the **India Health Fund** to establish a strategic partnership for a collaborative healthcare ecosystem, launch joint programs for particular technological themes like digital health research and innovation, and support startups through incubation, among other things. This collaboration, facilitated by DRIIV, promises to revolutionize healthcare. **The All India Institute of Medical Sciences (AIIMS)** and **Indraprastha Institute of Information Technology Delhi (IIIT-Delhi)** have signed a tripartite Memorandum of Understanding (MoU) with **RailTel Corporation of India Ltd.** (under the Ministry of Railways) towards developing an AI-assisted solution for the 'Differential Diagnosis of Peripheral Blood Smear.'

Being a state university, IIIT-D is committed to contributing back. The IIIT-Delhi startup, Chartr, signed an MOU with **Japan International Cooperation Agency (JICA)** to develop the Delhi Transport Stack, a data interoperability framework for multimodal mobility. This technology will eventually be handed over to the Delhi government, with IIITD's **Centre for Sustainable Mobility** and Chartr jointly maintaining it. In line with the National Quantum Mission, the **Center for Quantum Technologies** at IIIT-D has expanded its scope to include quantum machine learning, distributed quantum computing, cryptography, and quantum biology over the past year.

The 'out-of-the world' success story of Indian Space research is well established, and recently IIIT-Delhi, in partnership with **Skykraft (Australia)** and **FrontierSI (Australia)**, has received **AUD 3.7 million** for the project "Demonstrator for Position, Navigation and Timing Signals from Low-Earth Orbit."

The Institute prides itself on building **strong industry linkages**. It actively engages in collaborative research with national and international organizations to stay at the cutting edge of scientific and technological developments. IIIT-Delhi has initiated research collaborations with STMicroelectronics Pvt. Ltd., ICCR, AIIMS, Mercedes- Benz Research and Development India Pvt. Ltd., Max Healthcare Institute Ltd., Sony Research India, TCS, Ministry of Rural Development, DMRC, Department of Biotechnology, CSIR-NEERI, and many more.

To match the **research appetite** of its faculty and students, the Institute is acquiring a DGX™ H100 system or equivalent, integrated with high-speed networking through InfiniBand switches and supported by 500 TB of high-performance storage. Subsequently, additional compute nodes (DGX-B200 or equivalent) will be added to enhance the infrastructure's overall capability and efficiency. A new **Data Centre** has also been inaugurated at the Institute, providing a secure and controlled environment for the operation and management of critical IT resources.

At IIIT-Delhi, we are committed to cultivating and nurturing the **spirit of innovation** among our faculty and students. iHub Anubhuti, the Technology Innovation Hub at IIIT-Delhi, has achieved significant advancements in research, startup promotion, skill development, and technology enablement, focusing on Cognitive Computing and Social Sensing (CCSS). iHub Anubhuti, in partnership with the Ministry of

Rural Development, has developed and deployed an AI-based chatbot. The Institute has signed an MOU with the **Assam Government** for digitizing land records and is working with **National Highways Authority of India (NHAI)** to develop AI-based solutions to improve road signs on national highways to enhance road safety.

Entrepreneurial thinking is the spark that ignites innovation, thereby creating a positive socio-economic impact on society. The IIIT-DIC has successfully incubated **81 startup companies**, fostering innovation and entrepreneurship throughout its journey. This year, IIIT-DIC signed an MOU with Yes Bank and Sanchiconnect to support startups in scaling, mentoring, and raising funds by introducing them to relevant mentors, angel investors, venture capitalists, ecosystem partners, banks, and more. The Incubation Center received Rs. 1.46 crore as the subsequent tranche from DST, enabling it to augment facilities further. It also received a grant of Rs. 84 lakhs from American Express under its CSR support initiatives. It also got the Scale-Up grant from MeitY for two of its startups, amounting to Rs. 70 lakhs.

The Institute is proactive in setting up new labs to address the changing needs of society. The newly established **Creative Interfaces Lab** focuses on design research at the intersection of Human-Computer Interaction and other fields, emphasizing User Experience and Interaction Design, Tangible User Interfaces, XR, and the Metaverse. In line with the Indian Semiconductor Mission, IIIT-Delhi is establishing a **VLSI Nanofab Lab** with a class-1000 cleanroom for nanofabrication. This facility will provide hands-on training and research opportunities for students from the undergraduate to Ph.D. levels, aiming to produce professionals for academia, industry, and entrepreneurship. Additionally, an **Assistive & Inclusive Design Lab** has been set up to enable independent living and empower individuals with special needs, making the world more inclusive and accessible. The **5G Lab** at IIIT-Delhi is at the forefront of research in next-generation wireless technologies, including 6G, and is dedicated to training skilled manpower in this cutting-edge field. IIIT-D is also a part of the Bharat 6G alliance.

IIIT-Delhi organized its flagship annual event, **Research, Innovation, and Incubation Showcase (RIISE)**, in March 2024 with the theme **"Build for India"**. This year's themes focused on new advances and address pressing challenges facing India and the world, including Bharat AI, Robotics and Spacetech, power of 5G/6G, Advanced Multicore Systems, Healthcare, CiPD, Integrated Sensing and Communication, Sustainable Mobility, Design for India, Computational Gastronomy. This year's RIISE was combined with E-Summit, a collaborative endeavor to empower the next generation of innovators, leaders, and budding entrepreneurs. From startup fairs to pitching sessions, investor talks to social entrepreneurship fairs, and hackathons, **E-Summit** offered participants a diverse range of opportunities to showcase their talents, exchange ideas, and forge invaluable connections in the entrepreneurial ecosystem.

Amidst ongoing environmental degradation, the Institute has dedicated its expertise to supporting the UN's Agenda 2030 for **Sustainable Development Goals (SDGs)**, acknowledging sustainable development as a universal responsibility. With a vision to create a public platform for discussing the role of information technology in the sustainable development of the national capital region, IIIT-Delhi has begun the tradition of hosting an annual event called the **Digital Delhi Conclave**. The fifth edition of the Digital Delhi Conclave was themed 'Justice for All: Reforming Institutions through Innovation' aligned to SDG 16.

Promoting diversity on campus is a core principle at IIIT-Delhi. The Institute is proud to host a student body representing over **31 nationalities**, fostering a vibrant multicultural environment. IIIT-Delhi is dedicated to inclusivity, offering fellowship opportunities to international students that range from 25% to 100%. In the preceding academic year alone, the Institute awarded **37 scholarships**, totaling **\$1,66,875** exemplifying its commitment to supporting a diverse and inclusive academic community.

In the academic year 2023-24, the Institute recorded a placement close to **89.32%** despite the challenging global economic conditions and a tough job market. IIIT-D students received **699 offers** during the placement season, including **570 full-time job offers and 129 internships**. There were **12 international offers and 92 high-value offers**, all above Rs. 30 LPA, placing the median salary at about Rs. 18 LPA. Our graduates have secured admissions at prestigious universities worldwide for their Master's and Ph.D. programs, including Columbia University, Johns Hopkins University, Carnegie Mellon University, New York University, Indian Institute of Management Bangalore, and many more. The **Institute's alum strength has reached 3957** this year.

Through a **student-first philosophy**, we are committed to fostering holistic development, guiding students toward their highest potential, and preparing them for a successful tomorrow. The Institute has a vibrant student community that organizes and participates in various **extracurricular activities**. Interested students can participate in the National Service Scheme (NSS), Student Counselling Service, Student Committees, Sports Activities, Student Publications, Student Welfare, etc. The students run as many as **33 clubs** and have won several medals/prizes. The Office of Student Affairs organized a variety of events, including Kohinoor, Tribhanga 2.0, the annual sports festival "Astra" Indraprastha Premium League, Blood Donation Camps, the GOONJ: Cloth Donation Drive, International Yoga Day, Expressive Art Therapy sessions, Chess tournament, TechSpectra, the cultural event Odyssey, TedXIIITD and many more. I am delighted to share that this year the SPIC MACAY chapter has been inaugurated at IIIT-D, and we had the honor of hosting Padma Vibhushan Pandit Hariprasad Chaurasia in one of the events.

Under the **New Education Policy**, IIIT-Delhi has made significant progress in enhancing academic documentation and digital integration by uploading alumni certificates to Digilocker and including transcripts for all students in the Academic Bank of Credits (ABC).

The Institute organized its 7th edition of **Summer Camp 2024 with Mr. Anand Kumar** (founder of Super 30) as the Chief Guest and Keynote Speaker. Undergraduate student volunteers from IIIT-Delhi trained over **300 students from 7 government schools** in academic and extracurricular activities.

In 2024, IIIT-Delhi continued its impressive trajectory in global university rankings, solidifying its position as a key player in higher education. According to the **2024 THE World University Rankings** in Computer Science, IIIT-Delhi secured a spot in the **501-600 bracket**. In the **QS World University Rankings for 2023-24**, IIIT-Delhi is positioned in the **401-450 bracket** in Asia and ranks **106 in Southern Asia**. Additionally, in the QS subject rankings for Computer Science and Engineering, IIIT-Delhi falls within the **451-500** range.

IIIT-Delhi is poised to be a cornerstone in the evolution of higher education, leading the way in cutting-edge research, innovative teaching, and entrepreneurial endeavors. With a steadfast commitment to excellence, IIIT-Delhi will play a crucial role in shaping the future and cultivating leaders of tomorrow who embody strong character, unparalleled competence, and a profound dedication to societal advancement.

Prof. Ranjan Bose

Director, IIIT-Delhi



About IIIT-Delhi



"If there has been any success in my life, that was built on the unshakable foundation of failure"

Sir Jagadish Chandra Bose

Physicist, Biologist, Biophysicist, Botanist, Archaeologist

Indraprastha Institute of Information Technology Delhi (IIIT-Delhi) was created by an Act of the Delhi Legislature empowering it to carry out R&D, conduct educational programs, and grant degrees. The **General Council** is the apex body of the Institute, chaired by the Hon'ble Lt. Governor of Delhi, and the **Board of Governors** is the policy and decision-making body of the Institute. The **Senate** is empowered to take all academic decisions.

IIIT-Delhi is a comprehensive **research-led teaching institute** where faculty, students, staff, and alumni work together in a spirit of discovery and creativity to build a better world. The Institute emphasizes on quality education, curiosity-led research, and innovation leading to entrepreneurship. The teaching activities at the Institute derive strength from the cutting-edge research conducted by faculty, strong industry linkages, and international collaborations.

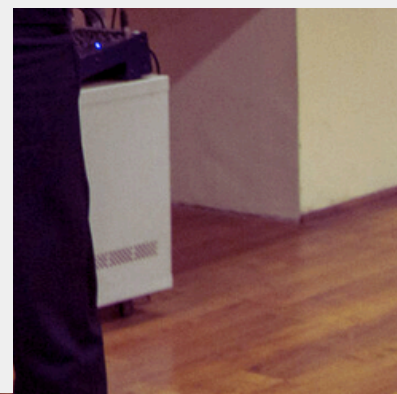
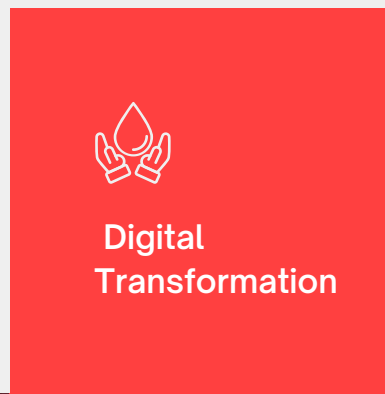
IIIT-Delhi has **six academic departments** - Computer Science and Engineering, Electronics and Communication Engineering, Computational Biology, Human-Centered Design, Mathematics, and Social Sciences & Humanities. Its **research centres** include the Infosys Centre for Artificial Intelligence, Centre for Design and New Media, Centre of Technology in Policing, Centre of Excellence on Sustainable Mobility, Centre of Excellence in Healthcare, Centre of Excellence on Light Fidelity, Datakart Centre of Excellence, Center for Quantum Technologies, Centre of Excellence in Human-Centered Computing, and Centre for Intelligent Product Development.



Optimal
Impact in
Public
Contribution



Nurture
Innovation
Culture



Digital
Transformation

IIIT-Delhi had set up a **Technology Innovation Hub** called **iHub Anubhuti** under the National Mission on Interdisciplinary Cyber-Physical Systems. The aim is to catalyze state-of-the-art research, technology transfers, engagements with industry, and entrepreneurial activities last year. This year, the iHuB of IIIT-Delhi collaborated with the iHuB of IIT Delhi and inaugurated **India's first Medical Cobotics Centre** at the institute. IIIT-Delhi is also a part of the **Delhi Science and Technology cluster** and addresses some of the hyperlocal problems through research.

The Institute has a healthy **innovation ecosystem** leading to entrepreneurship. The IIITD Innovation and Incubation Centre is instrumental in driving the growth of entrepreneurial activities at the campus, including providing incubation support, funding, infrastructure, mentoring etc. to students, faculty members, and alumni of the Institute. The Incubation Centre is supported by funds from DST, MEITY, and the Delhi government.

IIIT-Delhi is committed to **Sustainable Development Goals**. In support of the 'Agenda 2030' for Sustainable Development Goals, the Institute hosts an Annual Conclave to create a public platform to discuss the use of information technology for the sustainable development of the **National Capital Region**.

IIIT-Delhi has a built-up area of 100,000 square meters. This includes a modern lecture hall complex, R&D Block, state-of-the-art classrooms, research labs, a library and information centre, incubation centre, hostels for boys and girls to accommodate 1800+ students, dining and student activity centre with multiple eateries including a 24-hour canteen, and Faculty residence blocks. The campus also has a multipurpose playing field, a gymnasium, indoor swimming pool, badminton, and squash courts, outdoor tennis courts, basketball and volleyball courts. The campus incorporates several green-building features and is (provisionally) **GRIHA rated, a zero-discharge campus** with sewage treatment plants, rainwater harvesting system, heat pumps, and solar power plants on terraces of all new buildings.

IIIT-Delhi aims to attract top academics from around the world who can contribute to the vision and mission of the Institute. IIIT-Delhi is committed to playing a role in scientific leadership by creating new knowledge, defining the future of higher education, preparing leaders for tomorrow, and making a tangible impact for the betterment of society.





Vision

Be reputed for research with high scholarly impact, as also for translational research that addresses problems of the nation. Develop our students into well-rounded graduates with the knowledge and perspective to address and lead multi-disciplinary challenges. Provide an enriching environment for us and all those we interact with.

Mission

Foster Learning, Knowledge Creation, Curation, and Dissemination for a Thriving Humanity

Values

Integrity

Integrity is doing the right thing (through your words, actions and beliefs) even when no one is watching.

Compassion

Compassion is about treating others with kindness, empathizing with what they are going through, and supporting them.

Trustworthiness

Trustworthiness is the ability to be honest, dependable, and reliable.

Initiative

Initiative is the ability to be resourceful and work without always being told what to do.

Freedom of enquiry

The freedom to pursue knowledge without fear, interference or censure. To express and accept disagreement respectfully.

General Council

The General Council is the apex body of the Institute, chaired by the Hon'ble Lt. Governor of Delhi. The current members of the General Council are:



Hon'ble LG Delhi, Mr. Vinai Kumar Saxena
Chancellor, IIIT-Delhi

Mr. Kiran Karnik
Chairman, Board of Governors, IIIT-Delhi

Prof. Abhay Karandikar
Secretary, Department of Science & Technology

Ms. R. Alice Vaz
Principal Secretary Higher Education, GNCTD

Mr. Ashish Chandra Verma
Secretary (Finance), Govt of NCT of Delhi

Dr. Samir Vankatpati Kamat
Secretary, Department of Defence R&D and Chairman, DRDO

Sh. Amit Agarwal
Director General, National Informatics Centre

Ms. Debjani Ghosh
President, NASSCOM

Sh. S. Krishnan
Secretary, Department of Electronics and Information Technology

Prof. Ranjan Bose
Director, IIIT-Delhi

Board of Governors

The Board of Governors is the main policy and decision-making body of the Institute. The current members of the board are:

**Mr. Kiran Karnik**

Chairman,
Former President, NASSCOM

Mr. Som Mittal

Former President, NASSCOM

Ms. R. Alice Vaz

Principal Secretary Higher Education, GNCTD

Mr. Bhaskar Pramanik

Former Chairman, Microsoft India

Mr. Ashish Chandra Verma

Secretary (Finance), Govt of NCT of Delhi

Prof. Ranjan Bose

Director, IIIT-Delhi

Ms. Sandhya Vasudevan

Independent Director / Strategic Advisor,
Former Managing Director, Deutsche Bank
Group & Thomson Reuters India

Prof. Sujay Deb

Professor, IIIT-Delhi

Ms. Neelam Dhawan

Independent Director,
Hindustan Unilever Limited

Prof. Vikram Goyal

Professor, IIIT-Delhi

IIIT-Delhi Faculty



"Your worst enemy is your best teacher."

Gautam Buddha
Founder of Buddhism

Institute Faculty

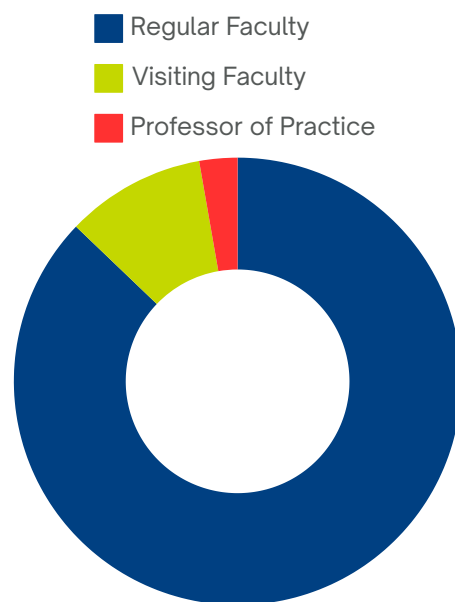
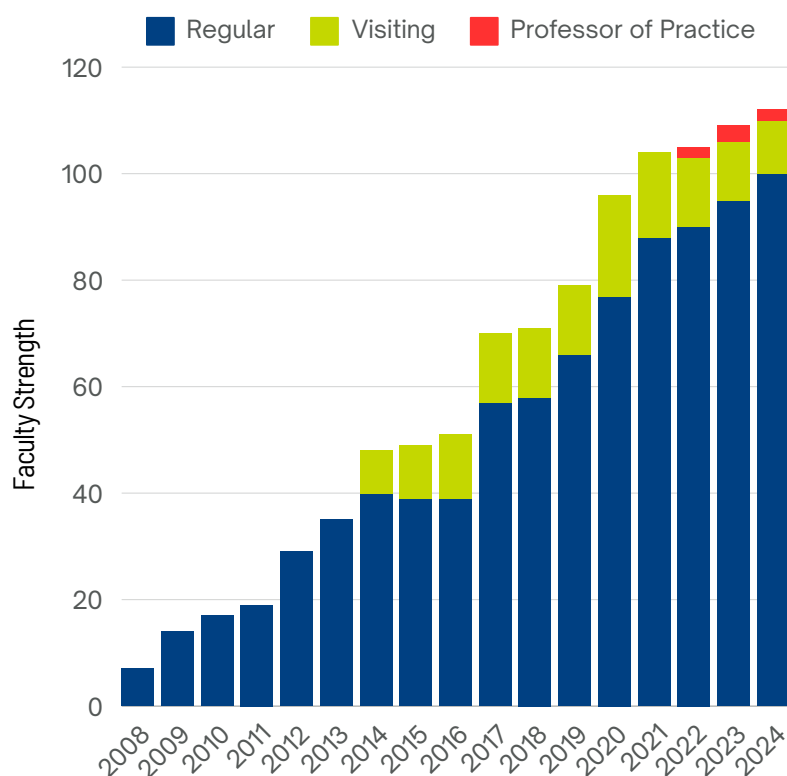
The faculty at IIIT-Delhi is known for their significant contributions to their respective fields. IIIT-Delhi follows a rigorous selection process to ensure that faculty members are well-qualified, experienced, and have a strong research background. Members at IIIT-Delhi have obtained their Ph.D. degrees from prestigious institutions in India and abroad.

The faculty members at IIIT-Delhi are actively engaged in research and regularly publish their work in reputed international journals and conferences. They also participate in collaborative research projects, both national and international, which helps in fostering innovation and keeping up with the latest advancements in their fields.

In addition to their research contributions, the faculty at IIIT-Delhi are dedicated to providing a high-quality education to their students. They use innovative teaching methods and employ a student-centric approach to foster critical thinking and problem-solving skills among the students. Many faculty members are also involved in mentoring students and guiding them in their research endeavors.

The quality of education at the institution is mainly dependent on its faculty. There are 100 regular faculty members and 10 visiting faculty members. IIIT-Delhi has, since inception, been following a tenure-track system, and has also been recruiting Professors of Practice. The Institute currently has two Professors of Practice in various expertise. These methods and approaches are now included in the National Education Policy 2020 recommended actions.

The Institute offers generous faculty fellowships, research initiation grants, sabbaticals, etc., to the faculty to pursue their research interests. It also provides enabling mechanisms to take up deep-tech and entrepreneurial ventures. The figure below on the left shows the increase in faculty strength of the Institute over the years, and the figure on the right shows the current strength in faculty categories.

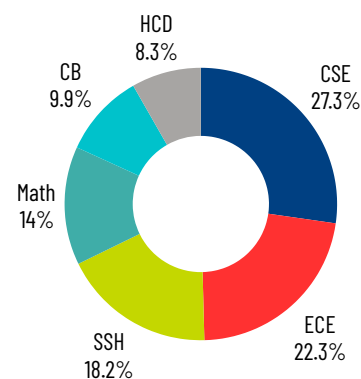
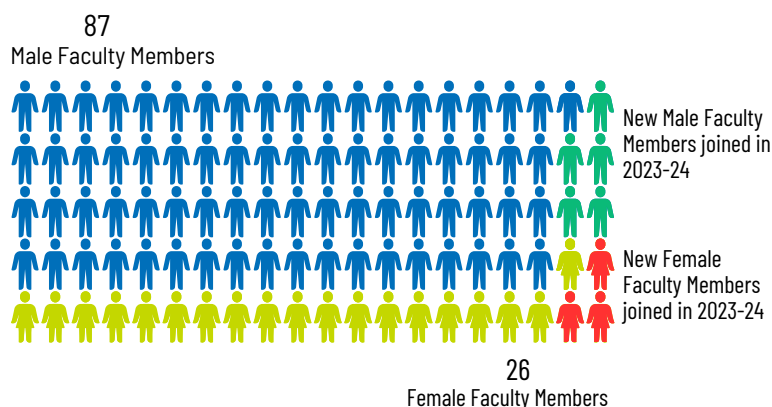


Current strength in faculty categories

Faculty Diversity

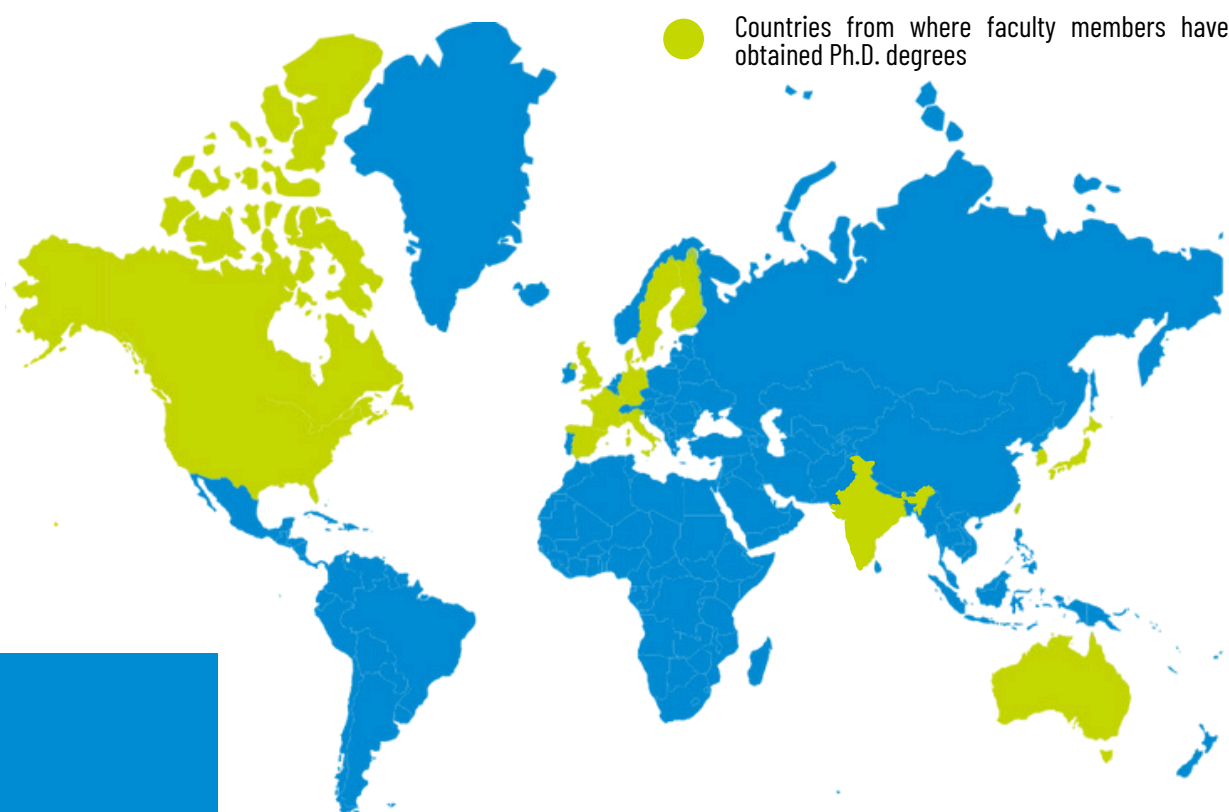
IIIT-Delhi boasts of diverse faculty, as evident from the data presented in two key charts. Inclusivity is a priority at IIIT-Delhi, **reflected in 40% of new faculty being women**. The figure below on the left showcases the institute's commitment to gender diversity, with **22% representation of women faculty**.

The figure below on the right provides a glimpse into the diverse research areas embraced by the faculty across six distinct fields. These fields include Computer Science and Engineering (CSE), Electronics and Communication Engineering (ECE), Computational Biology (CB), Human-Centred Design (HCD), Mathematics (Math), and Social Sciences & Humanities (SSH). This representation underscores the institute's dedication to promoting multidisciplinary research and collaborative endeavors.



Educational Qualification

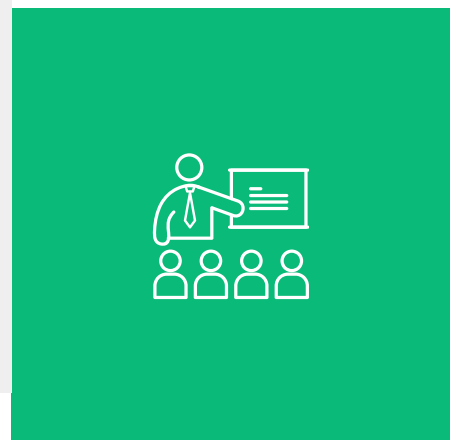
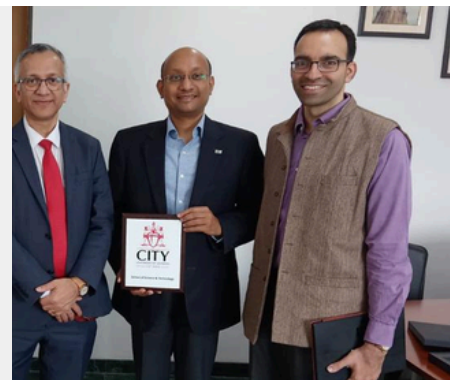
All regular faculty members have Ph.D. degrees from prestigious institutions around the globe, ensuring top-tier education and cutting-edge research for the students. Most faculty members have post-doctoral experience from abroad and regularly collaborate with researchers across the globe. Map below shows the countries from where faculty members have obtained Ph.D. degrees.



Professor of Practice

IIIT-Delhi has introduced a new position, 'Professor of Practice.' The faculty in this category are distinguished professionals, either practicing or retired. These professors can be from both academic and industry backgrounds. The working title of Professor of Practice helps promote the integration of academic scholarship with practical experience. The appointees provide faculty, undergraduate, and graduate students with an understanding of the practical applications of a particular field of study. These positions are limited-term contractual positions for teaching courses, advising students, and setting up research collaborations in areas related to their expertise and experience.

Industry Experience of
30+ years
Each



Industry specialists with practical
experience

Academic Departments



"एक छात्र का सबसे महत्वपूर्ण गुण यह है कि वह हमेशा अपने अध्यापक से सवाल पूछे।"

डॉ एपीजे अब्दुल कलाम

भारत के 11वें राष्ट्रपति, एक प्रसिद्ध वैज्ञानिक, शिक्षक और लेखक



Computer Science Engineering

IIIT-Delhi is widely recognised for its Computer Science program. It has one of the country's first and foremost research-based computer science programs. The program trains the next generation of innovators to solve real world problems and improve the way people live and work. The CSE department endeavors to be a significant regional, national, and international resource center for the development of computing and its applications.

The department is witnessing a period of exciting growth and opportunity through technology development and its recognition in research excellence. The department boasts a vibrant academic community with a team of 29 full-time faculty members, 4 joint faculty members and 1 visiting faculty member, each bringing expertise from diverse areas of computer science research. Furthermore, the department nurtures a thriving student body, encompassing approximately 600 undergraduate, 250 postgraduate, and 120 doctoral scholars.

The Vision of the department is to be a world class department which: Is globally respected for its research capability, with some research groups being considered as among the leaders globally and within the country. Has thriving UG and PG programs. Is socially relevant, globally linked, and industry-facing.

The Mission of the department is to become a world class department. We strive to: Carry out advanced research and development in various areas of computer science as well as the application of computer and software technologies in different domain areas. Train and educate, at both undergraduate and postgraduate levels, engineers of outstanding ability who can become innovators and new product creators.

RESEARCH LABS

- AI in Education
- Cross-Caps Lab
- Cryptology Research Group
- Distributed Computing and Learning Lab
- Graphics Research Group
- High Performance Computing Lab
- Human-Machine Interaction
- Information Management
- Knowledgeable Computing and Reasoning Lab
- Laboratory for Computational social Systems
- Mélange Lab
- Multimodal Digital Media Analysis
- NeatAI ServoLab
- Network and Security Lab
- Program Analysis Group
- The Sengupta Lab
- Theoretical Computer Science
- VISION Lab
- Data Science Lab

EDUCATIONAL PROGRAMS

- B.Tech. in Computer Science Engineering
- M.Tech. in CSE - General
- M.Tech. in CSE with specialization in AI, Data Engineering, Information Security, Artificial Intelligence, and Mobile Computing
- M.Tech. in CSE - Research
- Ph.D. in CSE and allied research areas

RESEARCH AREAS

- Biomedical Engineering & Medical Informatics
- Computer Graphics, Geometry & AR/VR
- Computer Networks & Networked Systems
- Computer Vision & Multimedia Computation
- Cybersecurity & Privacy
- Data Management & Data Science
- Hardware, Robotics & Electronics
- HCI & Human Centered Computing
- Machine Learning & AI
- Signal Processing
- Software Engineering & Programming
- Theoretical Computer Science
- Affective Computing
- Social Robotics
- Speech and Audio Processing



Electronics and Communication Engineering

The ECE Department's **mission** is to carry out advanced research and development in various areas of Electronics & Communication Engineering with different application domains, and to train and educate, at both undergraduate and postgraduate levels, engineers of outstanding ability who can become innovators and new product creators.

The vision of the department is to be a world class department which:

Is globally respected for its research capability, with some research groups being considered as among the leaders globally and within the country.

Has thriving UG and PG programs.

Is socially relevant, globally linked and industry facing.

As a discipline, ECE focuses on the design of underlying hardware systems. The curriculum is directed to applications in major areas such as telecommunications, energy, and electronics sectors while encouraging the development of necessary skills to integrate hardware and software components.

RESEARCH LABS

- Advanced ECE Lab
- RF and Applied Electromagnetics Lab
- Shannon Lab
- Basic Electronics Lab
- Circuits and Innovation Lab
- Digital Circuits Lab
- M. Tech. Lab
- Centre: LiFi & Wirocomm Lab
- Mobility and Optimization Lab
- ICircuit Design Research Lab
- Advanced Multi-core Systems lab
- Signal Analysis for Large Scale Applications Lab
- Smart & Sustainable mobility Lab
- Automatic Control Laboratory
- Space Systems Laboratory
- Photonics & Quantum Electronics Lab
- Algorithms to Architecture Lab
- Intellicom Lab
- Nanoscale Devices and Circuit Lab
- SBILab
- Visual Conception Group

EDUCATIONAL PROGRAMS

- B.Tech. in Electronics and Communications Engineering
- B.Tech. in Electronics & VLSI engineering
- B.Tech. (Minor) in Quantum Technologies
- M.Tech. in Electronics and Communications Engineering with specialization in VLSI
- M.Tech. in Electronics and Communications Engineering with specialization in CPS
- M.Tech. in Electronics and Communications Engineering with specialization in ML
- Ph.D. in Electronics and Communications Engineering

RESEARCH AREAS

- Signal Processing and Machine learning
- Electronic Devices, Circuits & Systems
- Wireless Communication & Systems
- Controls & Robotics
- Advanced Systems



Computational Biology

The Department of Computational Biology (CB) aims to conduct cutting-edge research at the interface of the biological and computational sciences. CB department at IIIT-Delhi is one of the rapidly emerging and leading centres worldwide that develops mathematical and computational techniques for delineating complex biological systems and developing solutions for healthcare problems in partnership with the industry, research, and academic laboratories.

The focus of this department is to conduct outstanding research at the interface of biological sciences and computer science to bridge the gap between diverse biological streams, starting from biological networks to molecular biology, to computational fields including algorithm development, high performance computing, etc.

Through these activities:

- The CB Department promotes advanced computation and informatics approaches to increase our understanding of normal and disease-associated biological processes, drug development, and therapeutic responses.
- The CB Department stimulates and facilitates the collaboration among medical science biologists, clinical investigators and health care researchers.
- The CB Department educates the next generation of computational biologists through direct participation in research activities

RESEARCH LABS

- Computational Biology for Health Lab
- Complex Systems Lab
- Algorithms for Transcriptomics of Tomorrow Lab
- Reggenlab: Regulatory Genomics Lab
- Computational Structural Biology Lab
- AI/ML for Medicine and Public Health Lab
- The Chemosensory Lab
- Systems and Mathematical Biology Lab
- The Translational Biology Lab
- Microbiome Informatics Lab

EDUCATIONAL PROGRAMS

- B.Tech. in Computer Science and Biosciences
- B.Tech. (Minor) in Computational Biology
- M.Tech. in Computational Biology
- Ph.D. in Computational Biology and allied areas

RESEARCH AREAS

- Systems and network biology
- Bioinformatics and translational medicine
- Precision medicine and health informatics
- Structural Biology and Biophysics
- Biostatistics/ Quantitative Genetics
- Computational Neuroscience
- Computational Gastronomy
- Metagenomics and Microbiome Informatics
- Mathematical Biology



Mathematics

The Department of Mathematics at the Indraprastha Institute of Information Technology Delhi is dedicated to fostering a vibrant academic environment for research and teaching in the field of mathematics. Established in 2017, the department has rapidly gained prominence and has a diverse faculty with expertise in various areas of mathematics.

The faculty members in the Department of Mathematics at IIIT-Delhi are highly qualified and bring their extensive research experience to the table. They specialize in a wide range of mathematical disciplines, including algebra, algebraic coding theory, number theory, combinatorics, theoretical computer science, applied cryptography, computational mathematics, functional analysis, operator theory, partial differential equations, operator algebras, mathematical biology, mathematical logic, foundations of mathematics, and statistics. Their expertise contributes to the intellectual and research-driven atmosphere within the department.

Vision: The Department of Mathematics envisions becoming globally recognised and respected for research and education in Mathematical Sciences.

Mission: The Department of Mathematics aims to achieve its Vision through the following broad goals:

- Create an inclusive and vibrant environment for research and education in Mathematical Sciences,
- Equip students with analytical skills to help find solutions to real world problems,
- Engage with partners in collaborative endeavours for development and application of new knowledge.

RESEARCH LABS

- Ph.D. Lab I: Maryam Mirzakhani Research Lab
- Ph.D. Lab II: Paul Erdős Research Lab

EDUCATIONAL PROGRAMS

- B.Tech. in Computer Science and Applied Mathematics
- Ph.D. in Mathematics

RESEARCH AREAS

- Algebra
- Algebraic geometry
- Algorithms and approximations
- Applied and computational topology
- Coding theory and cryptography
- Combinatorics
- Computational and differential geometry
- Differential geometry
- Free noncommutative analysis
- Functional analysis
- Harmonic analysis
- Logic and foundations of mathematics
- High performance computing
- Mathematics of underlying biology, computer Graphics, fluid dynamics, machine learning
- Number theory
- Operator algebras and theory
- Optimal control
- Optimization
- Partial differential equations
- Scientific computing
- Statistics
- Mathematical foundations and logic



Human-Centered Design

India has already established itself as the software hub of the world due to the large number of engineers that it produces. There is now an increasing and persistent demand of having engineers who can develop and design. Design thinking is now increasingly being used to create innovative solutions. Within design as a discipline, human-centered design emphasizes the involvement of human perspective in all steps of problem-solving. The human-centered design process leverages technology and enables the development of new technological solutions to address people's needs along with issues of sustainability. The Human-Centered Design department works:

1. To promote design thinking approach to aid problem-solving besides helping develop design solutions that address complex and everyday socio-technical problems.
2. To develop a world-class research program in design-related areas, including Human-Computer Interaction, Wearable, Ubiquitous Computing, Media and Interactions, etc.
3. To lead and advocate interdisciplinary research which is inclusive and supportive of strengths of other research areas at IIIT such as CSE, ECE, Maths, CB, and SSH.
4. To engage actively with civic, industrial, and government partners in collaborative research and in identifying and solving problems of relevance to industry and society.
5. To produce the next-generation researchers with robust skills related to Computer Animation, Game Design, Digital Media Design and Editing, VR/AR, to name a few.

RESEARCH LABS

- Weave Lab
- Multimodal Digital Media Analysis Lab
- Accessibility and Inclusive Design Lab
- Creative Interfaces Lab
- Human-Machine Interaction Lab (HMI)

EDUCATIONAL PROGRAMS

- B.Tech. in Computer Science and Design
- Ph.D. with Specialization in Human-Computer Interaction

RESEARCH AREAS

- Wearable Computing
- Education Technology
- Design Research
- Human-Computer Interaction
- Fieldwork for Design
- Design Futures
- Participatory Design
- Inclusive Design and Accessibility
- Human-Centred AI
- Human-Robot Interaction
- Affective Computing and Machine Learning
- Perceptual foundations of Design
- Product Design & Modern Prototyping
- Multimodal semantic and sentiment analysis of user-generated social media content



Social Sciences and Humanities

The Department of Social Science and Humanities (SSH) at the IIIT-Delhi is home to a multi-disciplinary faculty offering courses and conducting research in Economics, Sociology, Cognitive Science, Philosophy, Political Science and Communication Theory.

The SSH department at IIIT-Delhi seeks to bridge the disciplinary boundaries between various IT and social science streams and develop a cross-disciplinary research and teaching agenda that is forward looking and cutting edge in technology education.

RESEARCH LABS

- Game Theory and Market Design Lab
- Cognitive Science Lab
- Econometrics Lab
- Urban Research Lab
- Ethnography Lab
- Academic Writing Lab

EDUCATIONAL PROGRAMS

- B.Tech. Computer Science and Social Sciences
- B.Tech. (Minor) in Economics
- Ph.D. in Sociology/Social anthropology
- Ph.D. in Economics
- Ph.D. in Philosophy, Communication, Governance and Politics
- Ph.D. in Cognitive Science

RESEARCH AREAS

- Digital Politics; Data and Governance
- Social and Climate Movements
- Civic Media and Journalism
- Natural Resource & Agricultural Economics
- Ecological Economics
- Applied Econometrics
- Industrial Organization
- Applied Game Theory
- Industrial Organization
- Applied Game Theory
- Behavioural and Experimental Economics
- Natural Resource Economics
- Moral and Political Philosophy
- Digital dissent; and Digital citizenship
- Democratic secrecy and epistemic injustice
- Design ethnography
- Kantian transcendental Idealism
- Husserlian phenomenology
- Social and Political Philosophy
- Gender and Technology
- New reproductive Technologies
- Digital Technologies; Demographic Anthropology
- Intimate Relations
- Migration and Transnationalism
- Distinctiveness of everyday political practices in new urban spaces
- Social Class; Gender; Urban Space and Community
- Neo-Urban; Spatial Sociology
- Virtual Community and Solidarity
- Role of attention in visual processing
- Studying mechanisms of emotion and motion perception
- Microfinance and economics of digital marketing
- ICTs and Development
- Theories of Cosmopolitanism, Home, and History of Ideas in South Asian Studies
- Whistleblowing
- Civil disobedience
- Spatial Analyses

Research Centres



*"Success can come to you by
courageous devotion to the task
lying in front of you."*

Sir C.V. Raman

Nobel Laureate in Physics (1930)

Centre for Artificial Intelligence

The Infosys Centre for Artificial Intelligence, IIITD (CAI-IIITD) is a research center that specializes in autonomous urban mobility, AI for space, federated learning, and CANCOG – a community AI platform for cancer research. The centre undertakes projects such as model agnostic evaluations of transferability of pre-trained deep models, automated federated deep learning, robot-assisted diagnosis of autism spectrum disorder, orbit computation of resident space objects for space situational awareness, and a web server for drug response prediction using scRNA-seq data. By focusing on these areas, CAI-IIITD aims to drive advancements in AI, tackle industry challenges, and promote interdisciplinary collaborations.

The Centre also assists the CSE department in managing two-degree programs: M.Tech. in CS with a specialization in AI and B.Tech. in CSAI. In addition to degree programs, the Centre also supports and conducts educational training, seminars, workshops, faculty development programs, and short-term training courses for students and non-student professionals. In the year 2023-24, the centre has also published in core A*/A journals and conferences.

Ongoing Funded Projects:

- Time Between Overhauls
- Telecommunication Engineering Centre
- IDEAS NCBR, Poland
- Knowledge Enabled Relation Extraction
- Improve Texture and Shape Bias in OCR
- App for medical screening in general public
- GSAI: Efficient Deep Learning for Green and Sustainable AI
- Generating Novel Recipes using Large Language Models and Curated Data of Recipes

Outreach Activities

- Artificial Intelligence Summer School
- Symposium for Computational Creativity
- Symposium on Computational Gastronomy
- 11th International Conference on Big Data and Artificial Intelligence
- 1 Pixel Design Conference 2023
- ChAI "AI over Tea"
- CAI Seminar Series- 7 seminars conducted over the last year.
- Fireside Chat with CEO of OpenAI, Sam Altman

Focus Areas:

- AI for Space Initiative
- Federated Learning
- CANCOG: A community AI platform for cancer research
- Autonomous Urban Mobility

Awards and Recognitions:

- EMBO Young Investigator Award
- Ramanujan Fellowship
- Merck Young Scientist Award
- India Science Fellowship by the Foundation for Advancing Science and Technology
- Selection as Member, National Committee for Adoption of Space Technology Education in India
- Humboldt Experienced Researcher Award
- Selection by ANRF, DST, Govt. of India to participate in ASEAN Women Scientist Conclave, Singapore



Centre for Design and New Media

The Centre for Design and New Media (CDNM) is a pioneering interdisciplinary hub, uniting experts in design, computer science, and new media to conduct cutting-edge research and foster education in Interaction Design, HCI, Animation, Gaming, and more. Its focus extends to effectively leveraging these innovations in domains like education, healthcare, and transportation. The CDNM's objectives encompass conducting world-class research programs

The centre is unique in the country and brings together researchers in the areas of design, computer science, and new media, to conduct research and education in areas of Interaction Design, HCI, New Media, Animation, Film & Video, Gaming, etc., and how they can be leveraged effectively in domains like education, healthcare and transportation.

The centre plans to focus on advancing the research and development activities including but not limited to domains like Human-Computer Interaction(HCI), Interaction Design, Multimedia, Graphics, Games, Virtual and Augmented Reality, and New media. Headed by Dr. Rajiv Ratn Shah (Assistant Professor, IIIT-Delhi), the center is working closely with academic and industrial partners to reach greater heights and fulfill the vision of its inception.

Ongoing Projects:

- An Immersive Virtual Museum for Preservation and Promotion of the Indian Military
- A Multidisciplinary Extended Reality (XR) Lab: A Study on User Experience Design and Industrial Applications using XR Devices 69
- The Digital Health Ecosystem – Interdependent Platforms and their Consequences
- Design for the Well-Being of LGBTQ+University Students:
- Impact of Mental Health-related Content on Social-Media on Therapy-Seeking Behaviors of Individuals in Therapy

Ongoing Projects:

- Secondary Traumatic Stress among Crisis Helpline Workers in India: A Qualitative Study Funding Proposal Submitted to CDMA
- Mapping Special Educators' Perspectives Towards the Use of Social Robots in India
- Vertiglobal: A Global Telehealth Solution For Vertigo
- Improving Mental Health Through Continuous Objective Measurement and Personalized Intervention
- Exploring the Design of XR Enabled Accessible Learning Experiences
- Pupillometry using Smartphones
- Volumetric Brain Differences Underlying Delay Discounting in Subclinical Anxiety 13) Vishranti

Awards /Recognitions:

- Selected as General Chair of iSES conference 2024
- Served as Technical Program Co-chair of NOCS 2023
- Serving as Fellowship Chair in APCAS 2023
- Honorable Mentions in Arts Track at IndiaHCI 2023

Research Publications:

- IEEE/CVF Winter Conference on Applications of Computer Vision
- Springer
- Emotionally Enhanced Talking Face Generation.
- International Conference on COMMunication Systems & NETworkS
- ACM IKDD CODS
- LDKP: A Dataset for Identifying Keyphrases from Long Scientific Documents
- Spoken Utterances



Centre of Technology in Policing

IIIT-Delhi's "Centre of Technology in Policing," aims to strengthen Delhi Police with advanced crime prevention and control technology. The research centre is providing technical expertise to the Delhi police. It will assist the concerned department in criminal identification, law and order management, cyber policing, traffic management, and combating terrorist activities by using Artificial Intelligence (AI), social media analysis, biometrics, image processing, big data, and network forensics. The centre works hand-in-hand in helping Delhi Police safeguard the lives of citizens and public and private infrastructure using smart technologies.



Centre of Excellence in Healthcare

The Centre of Excellence in Healthcare (CoEHe) at IIIT-Delhi, supported by the Delhi Knowledge Development Foundation (DKDF), contributes to health systems transformation through data, analytics, and digital platforms. The mission is to make healthcare accessible, affordable, and accountable to all through low-cost technology solutions. The vision is to be a catalyst for health systems transformation by bringing data and intelligence to the point of

care. With a core team of faculty members having diverse expertise in health technologies, the centre is creating cutting-edge scientific advances in data-driven public health and medicine through research, education, and engagement with the industry and policy. The solutions produced at the centre are relevant to the challenges faced by India, yet globally competitive.

The Centre has several Memorandums of Understanding with think-tank institutions such as International Digital Health and AI Research (IDAIR), Geneva, Access Health International, USA, and grassroots organizations such as the WISH/LEHS Foundation. Core faculty also lead the AI/ML for Healthcare Theme of the Delhi Research Implementation and Innovation, DRIIV Cluster. The CoEHe collaborates with health institutions such as AIIMS, New Delhi, PGI Chandigarh, and grassroots organizations like Swasti, Child Survival India, and WISH Foundation.

Ongoing Projects:

- SAFE-ICU: Assessment of AI Model Deployment
- In-Silico AI model to predict the properties of a new drug
- Design and Evaluation of a Heart Rate Variability (HRV) Measuring Arm Band for Organ Function Assessment
- Diagnosis using Histone acetylation based immune-precipitation of
- nucleosome bound cfDNA in blood plasma
- Understanding the role of digital intervention for OCD patients

Ongoing Projects:

- Sensing Social Media for Societal Good
- Developing Reliable Druggability prediction Toolbox by integrating QM and Machine Learning Methods
- Decoding Neurodevelopmental Pathways: Unravelling the WDR:HCF-1 Nexus.
- Therapeutics for non-alcohol -associated fatty liver/steatohepatitis (NAFL/NASH).
- Computational Gastronomy Application Programming Interface (CG-API) for better Nutrition and Health

Awards and Recognitions:

- Second prize in the Trinity Challenge on Antimicrobial Resistance
- Best paper presenter award at the ACM 2023 Asia Conference on Artificial Intelligence, Machine Learning and Robotics, 2023
- Best Paper Award at CHI2024

Patents:

- Smartphone Based Health Monitoring Using the Inbuilt Camera
- System and Method for Minimal Residual Disease(MRD) Detection in Acute Lymphoblastic Leukemia

Collaborations:

- IHF
- Temerty Faculty of Medicine of the University of Toronto, Canada
- Universite Cote d'Azur, France
- Lord Education and Health Society
- SWASTI
- DRIIV Foundation
- Lord Education and Health Society
- I-DAIR
- AIIMS
- ScanBalt MTU



Centre of Excellence on Sustainable Mobility

Centre of Excellence on Sustainable Mobility (CSM) was inaugurated in April 2022 by the Delhi Government through a one-time grant from Delhi Knowledge Development Foundation (DKDF) for working on problems related to urban transportation. CSM is established to develop solutions for the problems in the mobility of Delhi/NCR, help the Delhi transport department identify problem areas, and define a technology roadmap to solve urban mobility problems in Delhi.

One of the other mandates of the Centre is also to spin-off and promote startups in the area of mobility and to work with the Delhi government in cooperation with their startup policy. Finally, training and capacity building of the transport department and organizations like DTC, and DTIDC is also in the mandate of the Centre. In the past, IIIT-Delhi has been contributing to initiatives like Open Transit Data, EV charging data, Contactless Ticketing in the buses, and other ITS solutions already deployed in Delhi transit. The CSM has already partnered with the transport department to re-develop the One Delhi App, which is ready to be released.

Ongoing Projects:

- Fight Against Coronavirus
- Data Trust
- Chartr Android App
- Last Mile Connectivity
- Open Data policy for transport in Tamil Nadu
- DST Air Quality Monitoring
- MyBus
- Odd Even Analysis



Research Publications :

- ITCS
- ICASSP
- IEEE trans. Communications
- among others...



Centre of Excellence on Light Fidelity

IIIT-Delhi has a Centre of Excellence on Light Fidelity (LiFi), anchored by TSDSI and ETSI. The CoE's vision focuses on enhancing last-mile connectivity through Visible Light Communication (VLC). It aims to connect Indian entrepreneurs with pioneering VLC academic researchers and standardization bodies. Capacity building will be facilitated through research collaborations and expert exchanges between India and the EU. The CoE will design relevant LiFi courses and provide training for academic faculty, students, and engineers. This transformative initiative holds great potential to revolutionize internet access and foster innovation in India and beyond.

Collaboration:

- Intel
- Velmenni
- ERNET India (Education and Research Network)
- Georgia State University
- Cognizant
- University of Surrey
- University of Edinburgh
- Tata Consultancy Services (TCS)

Research Publications:

- IEEE Transactions on Network Science and Engineering
- IEEE Wireless Communications and Networking Conference
- IEEE/OSA Journal of optical communication and networking
- Vehicular Communications
- IEEE COMSNETS 2023

Outreach Activities:

- 5G Cellular Systems workshop
- NPTEL course on "Fundamentals Of Wireless Communication (Hindi)" starting from 23rd July, 2023."
- Speaker in Panel Discussion on "Unlocking 5G Opportunities: Government Initiatives and Beyond" by IEEE.

Fellowships :

- CHANAKYA Faculty Fellowship from Technology Innovation Hub (TIH) IoT in IIT Bombay

Patents:

- A system and method for resource optimisation of access networks



DataKart Centre of Excellence

It's the age of disruptions, and Information Technology is at the core of the transformations. With the rise of Big Data, AI, and myriad applications, IT has to be recognized as a source of immense social and economic power. At the same time, technologists and computer scientists must understand the world they are helping to build.

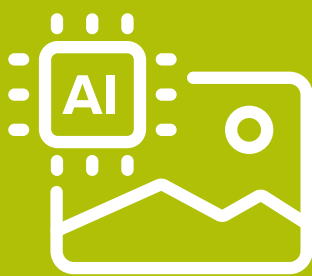
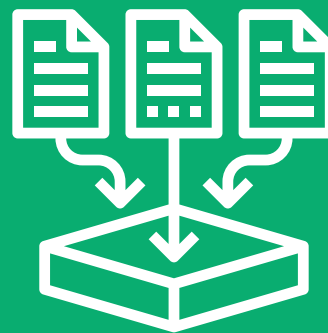
GS1 India signed a Memorandum of Understanding (MoU) with MIDAS Research Lab of Indraprastha Institute of Information Technology (IIIT) Delhi, to create the DataKart Centre of Excellence (DCoE). The creation of DCoE aims to apply Artificial Intelligence, Machine Learning, and other futuristic technologies to develop tools for image compression, attribute extraction, and improving the quality of product data in DataKart (National Product Data Repository).

The collaboration enables the development of cutting-edge technologies for making the DataKart more robust and dependable. This will benefit Businesses (retailers, online marketplaces, point-of-sale providers, and, aggregators) and end-consumers access to quality product data. This collaboration allows GS1 to leverage IIIT-Delhi researchers' expertise to develop advanced data collection tools, improve data accuracy and quality, and enable small and medium businesses to share their product data with retailers and online marketplaces.

The collaboration brings together research professionals and academic scholars to develop cutting-edge technologies for making the National Product Data Repository more robust and dependable. The DCoE will ensure that the repository's published data is of the highest standards and is available for businesses and consumers for validation.

Objectives:

1. Image Compression: Utilizing AI and ML algorithms to efficiently compress images, reducing file sizes while maintaining high visual quality.
2. Attribute Extraction: Developing intelligent systems that automatically extract relevant attributes from product images and descriptions.
3. Quality Improvement of Product Data: Implementing AI-driven methods to enhance the accuracy, consistency, and completeness of product information within DataKart.



Ongoing Research:

Customer Service Speech-Based Bot API Development:

- Real-Time Support
- Multi-Channel Integration
- Human Intervention Reduction
- Intelligent Escalation
- Continuous Learning and Improvement
- User Experience Optimization

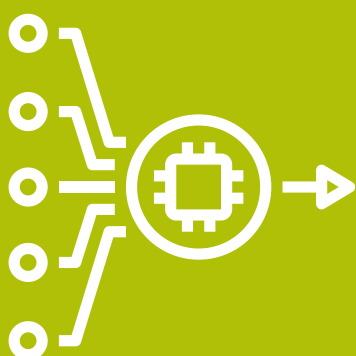
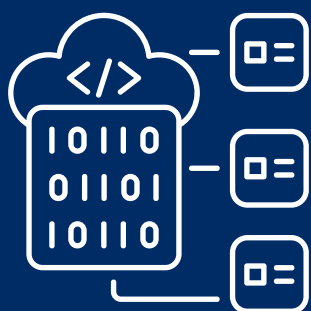
Centre of Excellence in Human-Centred Computing

As a part of the EU Erasmus+ Design and Innovation Capacity Building (DESINNO) project

The Indraprastha Institute of Information Technology Delhi has established a new Centre of Excellence (CoE) in Human-Centered Computing. The CoE will focus on teaching relevant courses on Human-Centered Computing and will also facilitate research collaborations, capacity building, and exchange of researchers and experts between the European Union (EU) and India.

The CoE is established as part of the EU Erasmus+ Design and Innovation Capacity Building (DESINNO) project. It brings together IIIT-Delhi, the World University Of Design (WUD), the Regional Institute of Management and Technology (RIMT) from India, the University of Aegean, Greece, Brunel University, UK, and Politecnico di Milano, Italy, and CREATHIDEV from Europe. These institutions anchor the activities under this project from India and the EU, respectively.

Human-Centered Computing combines design principles with computing to help develop systems that support human capabilities and cater to human needs; for example, in a recent work, researchers developed a mobile-based learning platform for community health workers. The platform is designed so that it becomes easy to use by community health workers who have low technology exposure. CoE aims to develop design and technology solutions to enhance human capabilities in different domains of interest. The CoE also supports entrepreneurs and researchers by bringing them together on one platform with expert mentors available from all fields. The CoE provides state-of-the-art fabrication facilities with the latest computing and design equipment to support entrepreneurial and research activities. The group members are actively engaged in cutting-edge human-centered computing research related to healthcare, education, and women's safety, among others.



Center for Quantum Technologies

Center for Quantum Technologies (CQT) is focused on becoming the nation's foremost knowledge development and dissemination hub in this domain. Its mission entails interdisciplinary research and development in quantum computing, communication, and materials, delivering affordable solutions tailored to India's unique opportunities and needs. Additionally, the Center aims to cultivate a skilled workforce at undergraduate, graduate, and post-graduate levels, capable of propelling quantum technologies forward in India.

Research Publications:

- Journal of Applied Physics,
- Results in Surfaces and Interfaces,
- Advances in Mathematics of Communications,
- IEEE Transactions on Nanotechnology,
- IEEE Journal on Emerging and Selected Topics in Circuits and Systems,
- Japanese Journal of Applied Physics,
- 35th International Conference on VLSI Design
- 21st International Conference on Embedded Systems (VLSID).

Vision:

To become India's leading knowledge development and dissemination hub dedicated towards quantum technologies.

Mission:

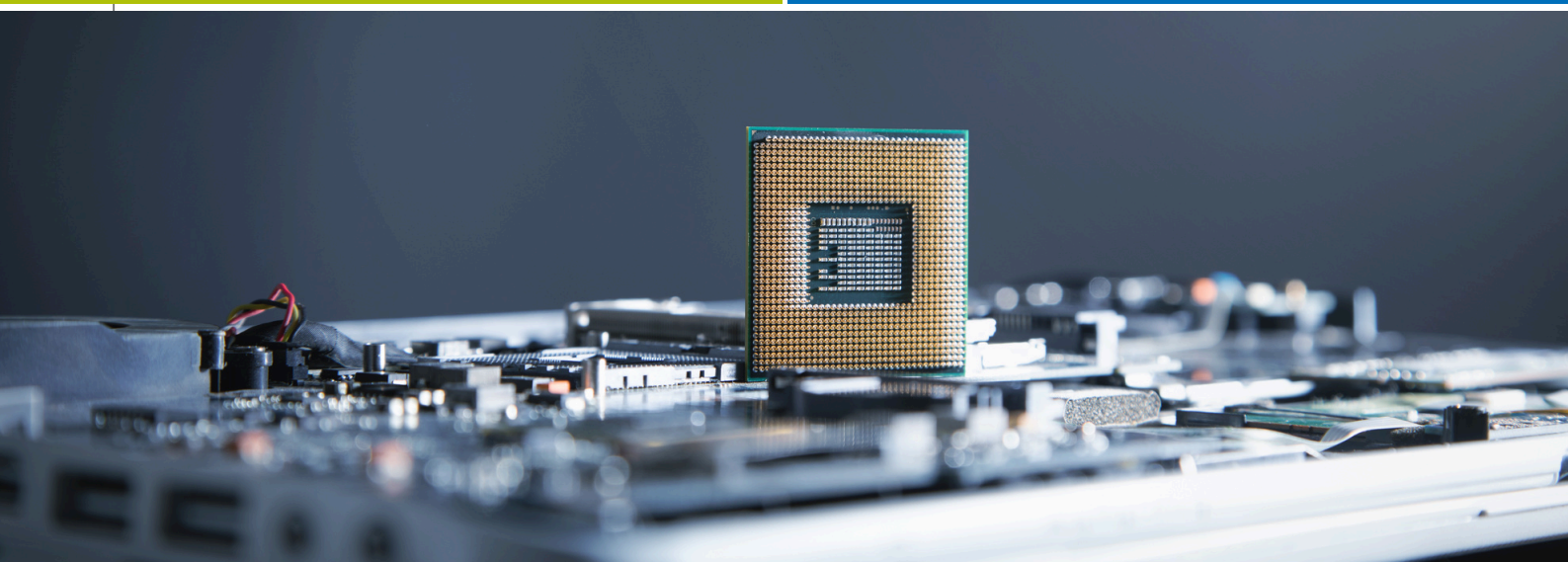
- To carry out interdisciplinary research and development in quantum computing, quantum communication, and quantum materials and devices, to derive affordable solutions with a focus on India specific opportunities and requirements.
- To develop skilled manpower at undergraduate, graduate and post-graduate levels that can advance quantum technologies in India.

Courses offered:

- Quantum Materials and Devices
- Introduction to Quantum Computing
- Quantum Mechanics

Research Projects:

- Classical and Quantum Error-Correcting Codes and Mathematics over Finite Fields for Smart Telecommunications
- Feasibility Study for Design of a QRNG and its detailed Analysis
- A study of quantum error-correcting codes



Centre for Intelligent Product Development

Electronic products touch every dimension of our lives today. From healthcare to agriculture to defence to space to manufacturing to financial services – every industry is experiencing an increasing pace of digitization enabled by electronics. However, today, the country imports most electronic products from other parts of the world. Consequently, electronic product imports continue to increase and stand next to Oil and Gold, only to surpass them in the near future.

The centre intends to bring back hardware product design capability into the Indian electronics ecosystem. This will be done by establishing strong academia-industry linkages through designing, consulting services, and nurturing startups so that the industry can tackle end-to-end problems holistically. This should result in more job creation and improve the local electronics design and manufacturing ecosystem, thereby helping the economy. This centre will help create the virtuous cycle of innovation to make initiatives of the National Semiconductor Mission sustainable.

Collaborators:

- Desmania
- ELCINA
- EPIC (EPICenter of "Electronics India")
- IESA (India Electronics & Semiconductor Association)
- ONCHIP Solutions Embedded
- Zettaone Technologies

Mission and Focus:

- To build the capability to develop Globally Competitive Intelligent Products by
 - Engaging Industry Experts with relevant experience to upskill and train manpower
 - Developing globally certified hardware and software platforms
- To nurture a sustainable product development ecosystem in the country by
 - Facilitating the development of high-volume, industry-ready products
 - Forging and fostering industry and academia collaboration
 - Seeding RnD Capability into the Industry
- To increase the pace of product development by
 - Facilitating fast concept-to-prototype evolution for multiple products on the developed platforms

Services:

- Ideation
- Research
- Product
- Solution
- Consultancy
- Mentoring and Support

Product Portfolio:

- Water Pump Controller
 - This device smartly processes data to forecast demand, identify leaks, and guarantee effective delivery, making water management smarter and more sustainable.
- Tablet
 - Student-focused tablet, meticulously crafted to revolutionize the educational landscape.



Educational Programs



"The highest education is that which does not merely gives information but brings our life in harmony with all existence."

Shri Rabindranath Tagore

Winner of the Nobel Prize for Literature (1913)



Ongoing Programs

B.Tech. Programs

- Computer Science and Applied Mathematics
- Computer Science and Artificial Intelligence
- Computer Science and Biosciences
- Computer Science and Design
- Computer Science and Engineering
- Computer Science and Social Sciences
- Electronics and Communications Engineering
- Electronics and VLSI Engineering

M.Tech. Programs

General Courses

- Computational Biology
- Computer Science and Engineering
- Electronics and Communications Engineering

Specializations offered in M.Tech. Program

- CSE - Artificial Intelligence
- CSE - Data Engineering
- CSE - Information Security
- CSE - Mobile Computing
- CSE - Research
- ECE - Cyber-Physical Systems
- ECE - Machine Learning
- ECE - VLSI & Embedded Systems

Ph.D. Programs

- Computational Biology
- Computer Science and Engineering
- Electronics and Communications Engineering
- Human Centered Design
- Mathematics
- Social Sciences and Humanities

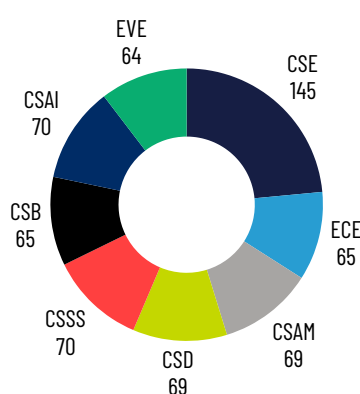
PG Diploma Programs

- PG Diploma in Computer Science and AI
- PG Diploma in Data Science & AI
- PG Diploma in Data Science in Health and Climate Change for Social Impact

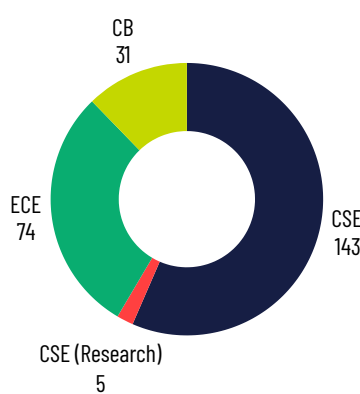
2023 Admissions

IIIT-Delhi continues to be an aspirational Institute for engineering students. This is manifested in the increasing demand to secure admission at the Institute. The Institute's enrollment has consistently increased over the past few years. A total of 942 students were enrolled in batch for the 2023 fall semester under seven programs of B.Tech., three specialisations for M.Tech. and in Doctorate Program under the research areas of six broad disciplines. Figures below provide a summary of students admitted in each stream within their respective programs.

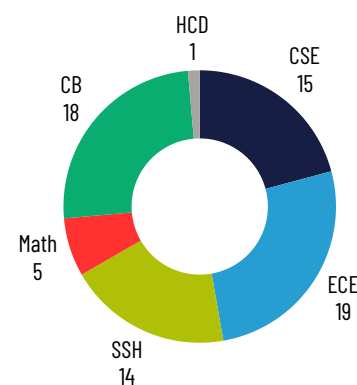
The Institute's success in attracting more external funding, the best faculty members, and unmatched research infrastructure has contributed significantly to the student strength in doctoral programs. The enrolment growth at the postgraduate level has been focused on specialised programs. IIIT-Delhi subscribes to the view that a Master's degree is primarily industry-focused, though it can also be used as a stepping stone for research.



B.Tech.: 617



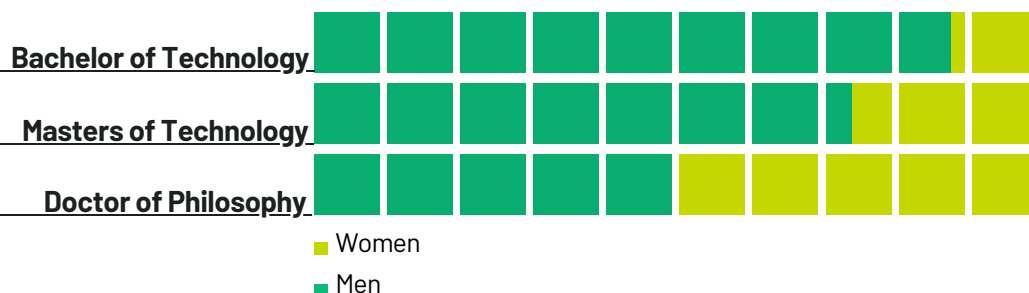
M.Tech.: 253



Ph.D.: 72

Gender Demography

IIIT-Delhi is constantly striving to achieve a good gender ratio at the Institute by providing a safe and healthy learning environment with equal opportunities. The overall ratio is shown in the figure on the right.



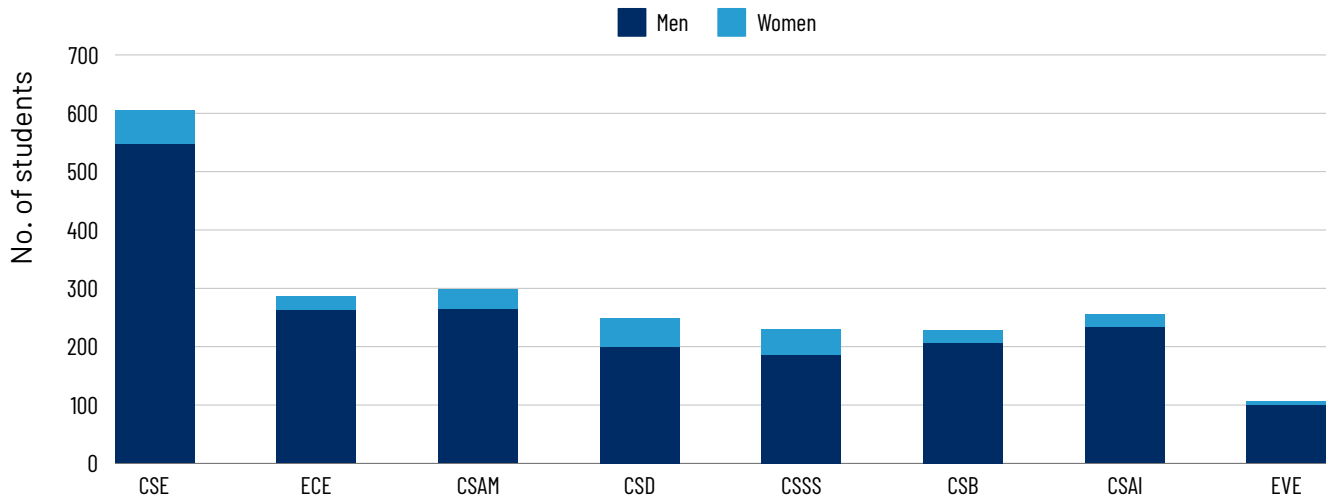
50% of the students admitted this year to the Ph.D. program at the institute are Women



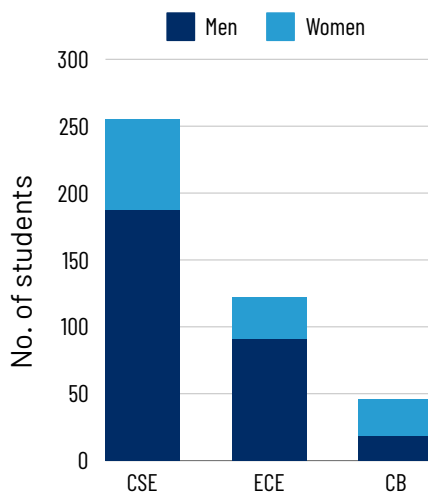
Students on Roll

IIIT-Delhi believes in going the extra mile to ensure student success by providing various academic and research avenues. The Institute strongly believes in providing students with the flexibility to make their program. Several students go for long internships in research labs, industries, and start-ups in their program's third and fourth years, which gives them industry exposure and a taste of entrepreneurship. As a result, many students extend their program by six months to a year. The figures below shows U.G., P.G. and Ph.D. students on roll respectively.

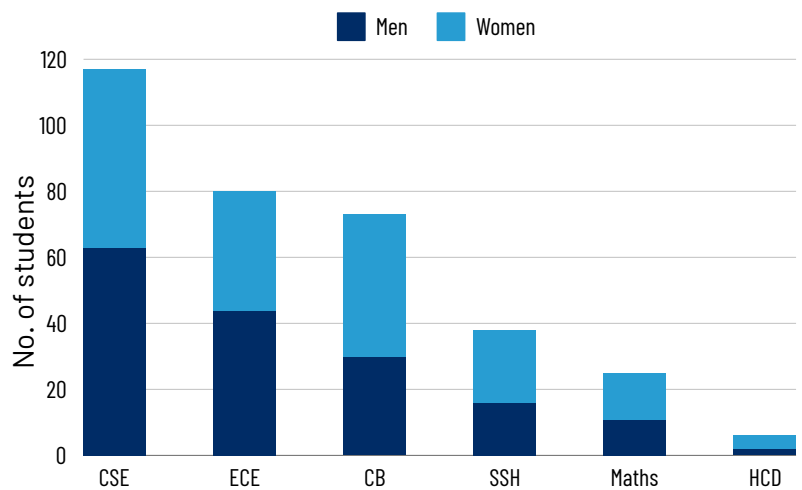
B.Tech. students



M.Tech. students



Ph.D. students



~51% Ph.D. candidates are Women



IIIT-Delhi Initiatives Under National Education Policy (NEP) 2020

IIIT-Delhi has taken several measures to ensure the highest quality, equity, and integrity in the education practices at the Institute. Below are some of the initiatives in line with NEP 2020:

Holistic and Multidisciplinary Education

- Unique UG programs of CSSS, CSD, and CSB
- Self Growth and Community Work included in curriculum
- Vibrant Innovation and Incubation Centre and E-Cell

Optimal Learning Environment and Support for Students

- Choice based credit system
- Internship facility with industry
- Continuous assessment
- Dedicated Wellbeing Cell
- Online courses for students

Internationalization

- Credit transfer to/from overseas universities
- Dedicated Office of International Affairs
- Collaboration with foreign universities and industries
- International students from 17 countries

Student Activity and Participation

- Student clubs
- Cultural and technical fests
- Active Student Senate and Student Council bodies

Financial support for students

- Scholarships and fee waivers for socio-economically disadvantaged students
- Industry-sponsored scholarships for students

Motivated, Energized, and Capable Faculty

- Tenure track faculty positions
- Professional Development Allowances (PDA)
- Research Initiation Grants
- Faculty Chairs
- Professor of Practice

Equity and Inclusion in Higher Education

- Accessible infrastructure and website for specially-abled individuals
- Braille signages at several locations on campus
- Dedicated washrooms for specially-abled and transgender individuals

Catalysing Quality Academic Research in All Fields

- Government and Industry-funded research and innovation centres
- Inter-disciplinary research



International Students and Exchange Programs

IIIT-Delhi encourages international students to seek admission in the B.Tech., M.Tech. and Ph.D. programs. The Institute takes pride in providing interdisciplinary educational options to the international students by providing them with a platform where knowledge meets achievement, experience meets future projections, and ambition meets inspiration.

Direct admission for the international students

The admission process is simple, requiring the student to submit a portfolio of their achievements at the school level. Shortlisted candidates are interviewed and also offered merit-based scholarships. The same panel also reviews applications from ICCR and recommends admissions. This has also helped to increase the diversity of students enrolled at IIIT-Delhi. This year 22 students have joined through direct admission process.

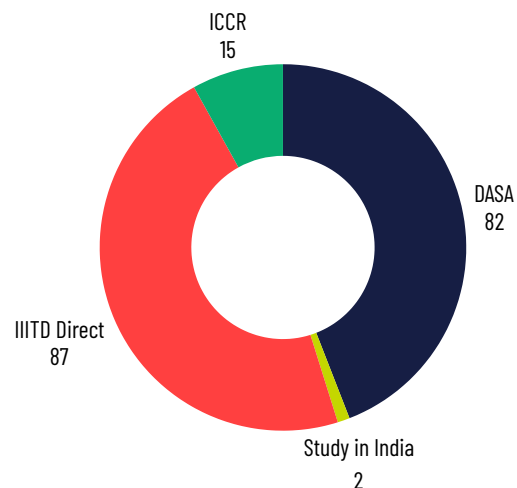
Students from Asia Pacific Region (Tibet), Malaysia, Myanmar, and Vietnam have joined the Institute for the first time. **A total of 108 international students joined IIIT-Delhi in 2023-24, adding to a total of 266 students from 31 countries.**

University Exchange Program

IIIT-Delhi has signed an Memorandum of Understanding with many universities to facilitate student exchange. Some of these universities are : Nagasaki University, University of OULU, EDCIL India Ltd, Namibia University of Science and Technology, University of Illinois, Universite Cote d' Azur, University of Albany, Yuan Ze University, State University of New York, ICCR. Six students have joined IIIT-Delhi through ICCR and three have joined through study in India program.

Admissions through DASA and ICCR

IIIT-Delhi also takes admissions through DASA (Direct Admission of Students Abroad), an initiative by the Government of India (GOI) for Foreign Nationals, NRIs (Non-Resident Indian), PIOs (Person of Indian Origin) & Overseas Citizens of India (OCI); and ICCR (Indian Council for Cultural Relations). This year 37 students were admitted through this process.



A large number of admitted international students can get fellowships up to 100% of the tuition fee. In year 2023-24, **37 scholarships** were given worth **\$1,66,875.00**



**452 B.Tech.,
237 M.Tech., including
4 dual-degree, and 26 Ph.D.
degrees awarded**

Twelfth Convocation

Indraprastha Institute of Information Technology Delhi celebrated its 12th convocation ceremony on October 27, 2023. The event honored 715 graduates across undergraduate, postgraduate, and doctoral programs.

This year, the Institute conferred degrees upon **452 B.Tech., 237 M.Tech., and 4 M.Tech. Dual degree and 26 Ph.D. students**. With this year's graduation, IIIT-Delhi is very close to reaching a milestone of conferring degrees to a **total of 4,000 graduates, with the current number being 3,957**. This achievement is a testament to the quality of IIIT-Delhi's education, as its alumni are thriving in prestigious companies and esteemed institutions both in India and abroad.

This year, IIIT-Delhi introduced a **new convocation attire**, replacing colonial robes with traditional kurtas and stoles, symbolizing cultural heritage and academic pride. The ceremony was graced by Chancellor Hon'ble LG Shri Vinai Kumar Saxena, who congratulated the graduates and acknowledged the support of educators, parents, and mentors.

Encouraging the graduating students, Prof. Bose urged them to use every experience as a teacher to make them more aware of who they actually are. He challenged the students to be the leaders, the innovators, and the change-makers. He also advised them that while they go about moving-the-needle, they must lean on the side of kindness and compassion. They should not forget to check their moral compass, emotional GPS and the inner thermostat as they navigate the vicissitudes of life. He concluded by expressing his confidence that the graduating students have their own unique stories to script, their individual trails to blaze, and thereby leave permanent footprints in the sands of time.



Awardees of the Year 2023

B.Tech. Awardees

• Chancellor's Gold Medal



Pritish Wadhwa
CSE (2019440)



Setu Gupta
ECE (2018190)



Tanya Gupta
CSE (2019119)



Utkrisht Sikka
CSE (2019215)

• Institute Silver Medals



Aditi Sejal
CSE (2019228)



Akhil Anand
CSE (2019349)



Divyansh Rastogi
CSAI (2019464)



Joykirat Singh
CSD (2019166)



Khushi Agarwal
CSD (2019312)



Rahul Sethi
CSAM (2019266)



Vaibhav Soni
CSB (2019454)

• All Round Performance Medals



Pritish Wadhwa
CSE (2019440)



Harshita Srinivas
CSAM (2019244)



Tathagat Pal
ECE (2019211)



Yatharth Taneja
CSD (2019346)

• Best B.Tech. Project Awards



ANKIT KUMAR KAMAT
CSE (2019020)



KARISH GROVER
CSAI (2019471)



SAARTHAK TEHLAN
CSD (2019325)



VIKHYAT YADAV
CSE (2019127)

M.Tech. Awardees

- Gold Medal for Excellent Academic Performance



Risabh Sinha
CSE (MT21069)

- Best M.Tech. Thesis Awards



Animesh Sharma
CSE (MT20317)



G L Harika
CSE (MT20339)



Shaguftha Zuveria Kottur
CSE (MT21079)

Ph.D Awardees

- Dissertation Awards



Anjali Dhall
CB (PhD17207)



Mohd Hamza Naim Shaikh
ECE (PhD16107)



Sumeet Patiyal
CB (PhD17204)



Online Programs



"We are all now connected by the Internet, like neurons in a giant brain."

Prof. Stephen Hawking

English Theoretical Physicist

Post Graduate Diploma in Data Science and Artificial Intelligence



In partnership with IBM

To cater to the upskilling needs of IT professionals and meet the industry requirements, IIIT-Delhi, in collaboration with IBM, launched a nine-month-long PG Diploma program in Data Science and AI (PGD DS&AI) in 2020. This online program is specifically designed to accommodate the busy schedules of professionals, as it is conducted on weekends, including Saturdays and one Sunday every month.

The PGD DS&AI program is highly comprehensive, aiming to provide professionals from various industry verticals with the necessary skills to reboot their careers in the fields of data science and artificial intelligence. Recognizing the importance of practical experience, IIIT-Delhi has established a strong industry collaboration, providing participants with ample opportunities to work on real-life data science projects. This hands-on approach ensures that learners can apply the concepts and techniques they acquire in real-world scenarios.

The courses are taught by experienced faculty members from IIIT-Delhi as well as industry leaders in Analytics from IBM. This collaboration allows participants to benefit from the expertise and insights of both academia and industry, gaining a well-rounded understanding of the subject matter. The Memorandum of Understanding signed between IIIT-Delhi and IBM further strengthens this partnership and ensures the program's quality and relevance.

The PGD DS&AI program covers a wide range of topics, including data mining, machine learning, deep learning, natural language processing, and predictive analytics. Participants acquire practical skills in programming languages such as Python and R, as well as tools and frameworks commonly used in the industry. The program also emphasizes the ethical and responsible use of data science and AI technologies.

Post Graduate Diploma in Computer Science and Artificial Intelligence



In partnership with Great Learning

IIIT-Delhi launched the Post Graduate Diploma Program in Computer Science and Artificial Intelligence in collaboration with Great Learning in year 2021-22, one of India's leading EdTech companies for higher and professional education. The program will be delivered online and includes a combination of live classes by IIIT-Delhi's faculty, hands-on tutorials, and project-based learning sessions. The program will address the growing need for talent in cutting-edge areas that require a sound grounding in Computer Science fundamentals and an ability to apply artificial intelligence (AI) techniques.

Specifically tailored to accommodate the challenges of both employed professionals and students, this yearlong online program offers a sound comprehension of the principles of Computer Science and Artificial Intelligence. The program further provides interactive live lectures, practical tutorial segments, recorded educational videos, insights from industry experts, and practical projects, thereby exposing students to real-world problem statements.

Post-Graduate Diploma in Data Science in Health and Climate Change for Social Impact

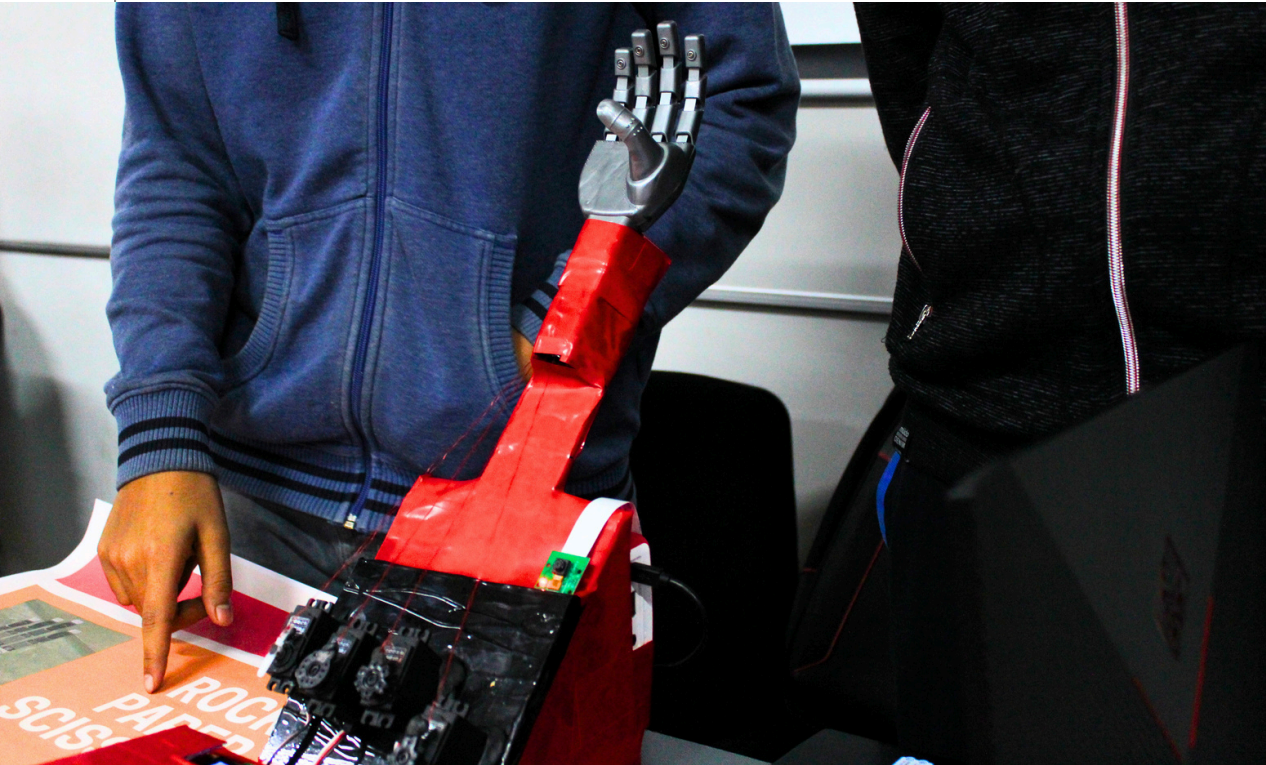


In partnership with data.org, ARTPARK, and J-PAL

The Data Science in Health and Climate Change for Social Impact Program, a Postgraduate Diploma offered in collaboration with data.org, ARTPARK, and J-PAL South Asia at IFMR, combines the expertise of global data science leaders with hands-on practical experience. This program is designed to empower participants to make data-driven decisions in the domains of health, climate, and social sciences. The curriculum offers a comprehensive blend of theoretical foundations and applied learning, ensuring that students gain a deep understanding of data science principles and the ability to apply them to real-world challenges.

The program features training led by distinguished faculty members from IIIT-Delhi and global data science experts. It includes hands-on projects using real-time data, providing students and professionals with valuable practical experience. Additionally, the program offers optional fellowship and internship opportunities with leading organizations in the field, allowing participants to apply their skills in professional settings and expand their networks. This unique combination of academic excellence, practical application, and industry exposure equips graduates to address critical challenges in health and climate change effectively.

Innovation, Research & Development



"If we want to be at the cutting edge, we have to be innovators and originators."

Bharat Ratna Prof. C. N. R. Rao

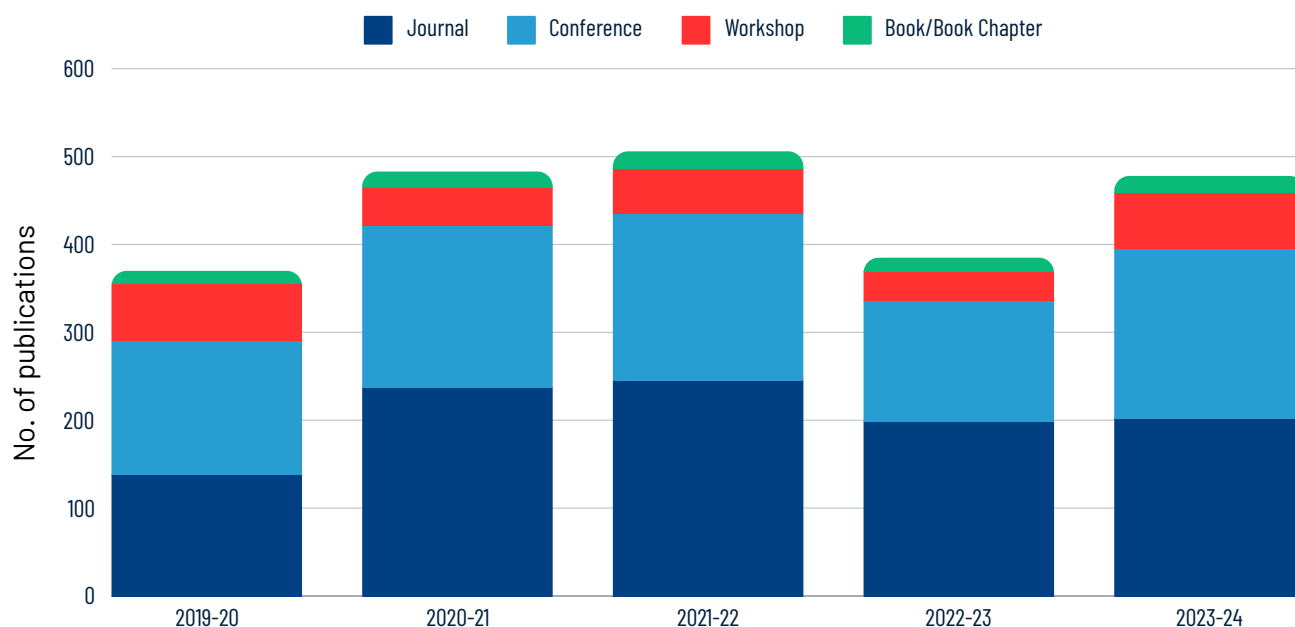
Renowned Indian Chemist

The focused approach of the Institute towards quality education, research, and innovation plays a central role in the advancement of society. It fosters economic growth, strengthens technological progress, and enhances job creation. In addition, IIIT-Delhi aims to create an ecosystem for more vital collaboration with industry in several modes, including consultancy, sponsored research projects, technology transfer, and continuing education.

Research Publications

While the Institute retains the core mission of educating the next generation and cultivating new forms of knowledge, it also embraces the ever-expanding role in driving innovation and catalyzing economic development. Being a research-focused institute, IIIT-Delhi has successfully established a strong research culture at the Institute by encouraging the faculty members and students to publish their work in top-quality national and international academic venues.

During 2023-2024, our students and faculty members have published papers on some of the best platforms like Nature Publication, PLOS One, ACM, IEEE, etc. The figure on the left shows the number of publications over the years. A detailed list of this year's publications can be found at the weblink iiitd.ac.in/ar/appendices24.



20 % ↑

Increase in the number of conference papers from last year



100%

of the faculty is publishing research papers

Tools and Technologies Developed

The Institute remains committed to developing technologies that can be transferred for commercial and societal use by other organizations. Our faculty members have been continuously working towards solving societal problems through technology. A few of the tools/technologies developed this year are listed below:

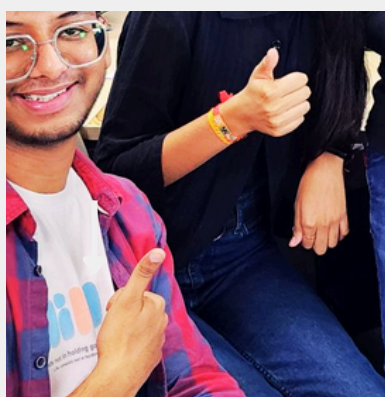
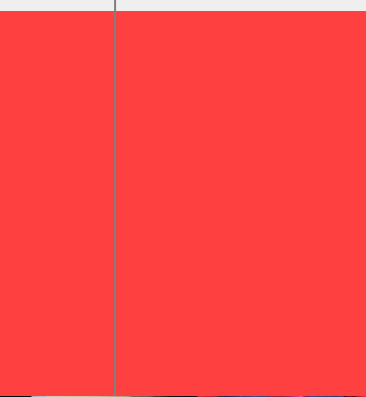
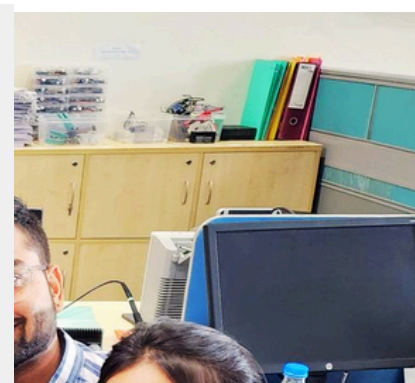
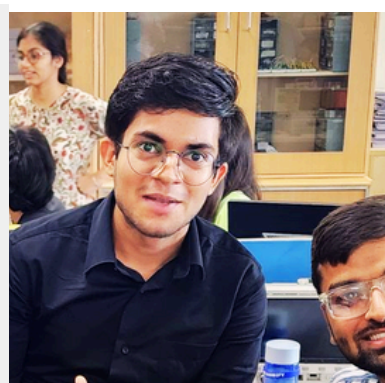
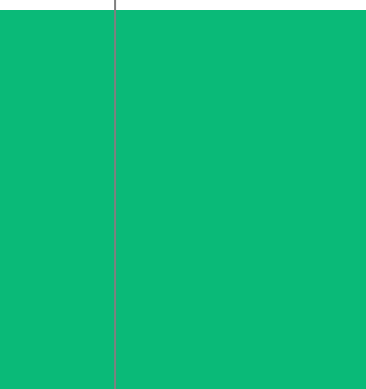
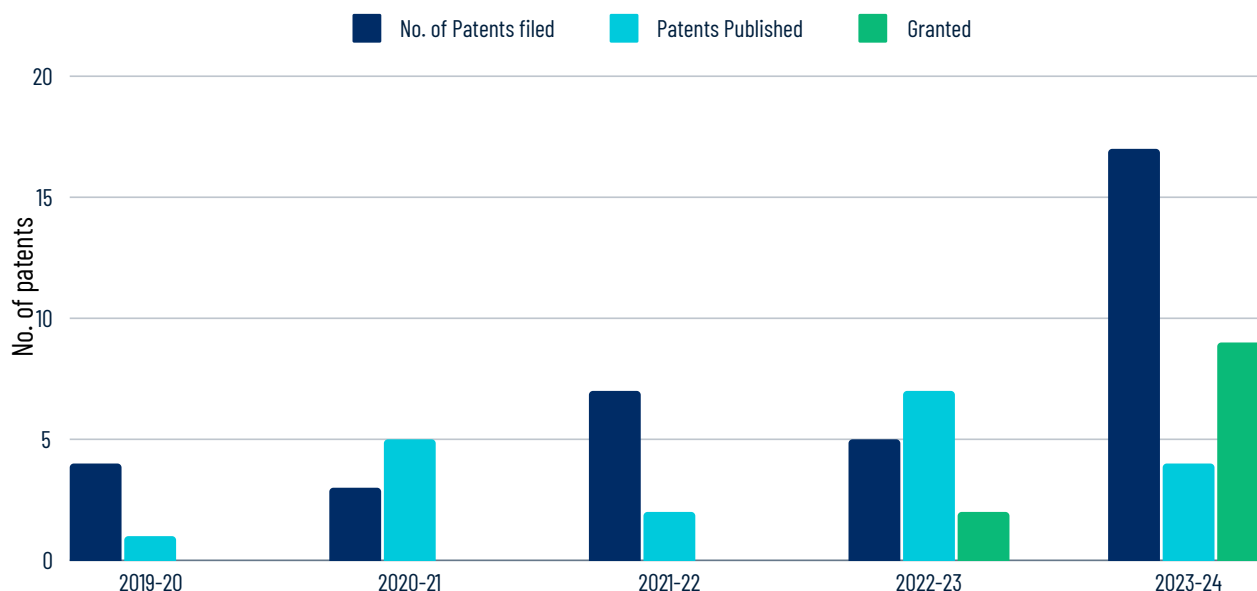
- Contactless QR-based e-ticketing in Delhi: Our system is successfully catering to over 1 lakh passengers daily, enabling safe and convenient ticketing. So far we have sold over 60 million tickets, revolutionizing the way people travel and enhancing efficiency in public transportation.
- Automated Video Dubbing models with Sony Research India. This has resulted in three publications in top tier conferences such as NAACL 2024 and InterSpeech 2024. One of the Marathi movies will be released soon by Sony based on voice generated by our technology. Build an AI based model for GS1 India for the following tasks:
 - to develop cutting edge technologies for making the National Product Data Repository more robust and dependable,
 - to use AI and other futuristic technologies for image compression, attribute extraction, and improve quality of product data in the National Product Data Repository, and
 - validate and get more information about the product.
- The technology for using Solar Panel as a broadband optical receiver is being developed, demonstrated, and in the process of being handed over to ERNET and MEITY. The transfer is part of the project SRP148 where ERNET is the co-partner and MEITY is the funding agency.



Patents Filed

Universities and institutes are considered the foundation for the growth and development of any country. These are the places for primary research leading to inventions. As innovation has become a core driving force for the Institute, it has motivated the faculty and students to file for patents and copyrights. This year, the faculty members and students filed for multiple patents, a brief of which is given in the figure below.

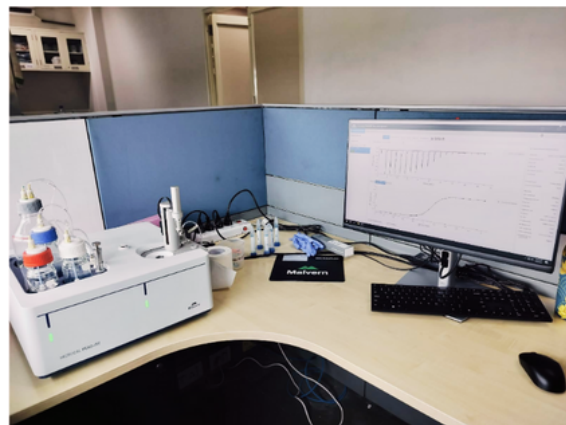
The patents include inventions like 'Photo-Receiver Enabled Smartphone Cover'. It is a smartphone with data communication and energy harvesting capabilities. The smartphone has a cover with a solar cell (PV cell) that receives light from a LED, generating electric charge. A receiver circuit reproduces a transmitted waveform using the PV cell's output signal. The receiver circuit includes an amplifier to enhance the signal, a voltage level shifter to convert the signal's polarity, and a comparator to adjust a reference voltage (V_{ref}) based on the signal, thus reproducing the original waveform. Another granted patent in this year is 'Escort Bot System and Method', this invention pertains to navigation assistance for visually impaired individuals, specifically involving an escort bot system and method. These are a few of the nine patents granted this year.



New Research Facilities

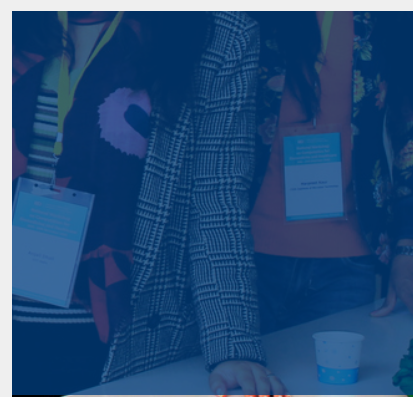
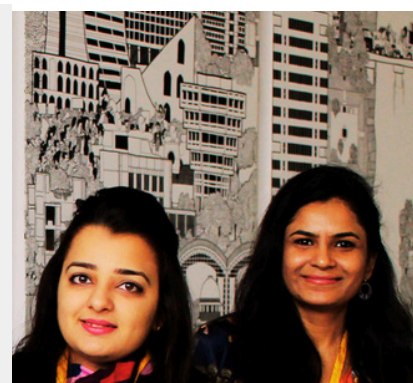
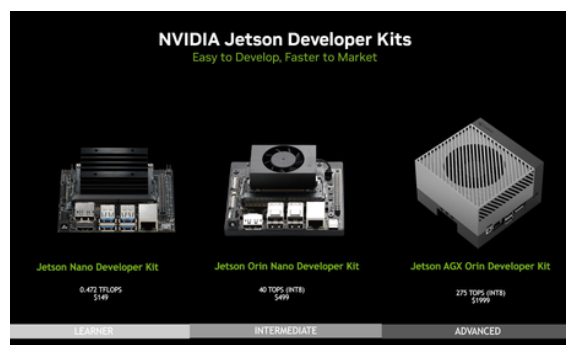
Isothermal Titration Calorimetry (ITC) Machine:

The Isothermal Titration Calorimetry (ITC) machine is a cutting-edge instrument now fully standardized and ready for experimental use. It detects tiny heat changes that occur when molecules bind, allowing scientists to calculate binding affinity, enthalpy, and entropy—key factors in understanding molecular mechanisms. The ITC process is straightforward, requiring no labeling of biomolecules, and is suitable for studying proteins, nucleic acids, lipids, and more. The ITC machine offers a critical tool for drug design, enzyme kinetics, and bioparticle characterization. With the ITC machine operational, scientists can delve deeper into understanding the fundamental processes that drive biological systems, making it an invaluable asset in fields such as drug discovery, biochemistry, and molecular biology.



Jetson Nano Kit

The Jetson Nano Kit by NVIDIA is a compact yet powerful development platform designed for AI, machine learning, and robotics enthusiasts. Equipped with a 128-core GPU and a quad-core ARM Cortex-A57 CPU, this kit delivers robust computing power in a small form factor. Ideal for edge computing and embedded systems, the Jetson Nano Kit supports a wide range of AI frameworks and is perfect for prototyping, education, and deploying AI models on low-power devices. Its versatility and accessibility make it an essential tool for innovators looking to explore the potential of AI-driven technology.



Enhanced IT Infrastructure

In the realm of enhanced IT infrastructure, IIIT-Delhi stands as a prime example with its cutting-edge technological provisions that cater to the comprehensive computing and communication needs of the Institute. Boasting a robust and dependable computer network comprising over **4000 Nodes**, the campus ensures seamless connectivity. The Institute demonstrates exceptional interconnectivity through a redundant 10 gigabit fiber backbone network, linking hostels, faculty blocks, administrative areas, the library, classrooms, and residences. This connection is further fortified by layer 2 & 3 switches, delivering 1Gbps connectivity at the user end. Each hostel room enjoys an exclusive LAN connection, granting continuous access to online resources. A wireless network, comprising **500+ access points**, spans across faculty blocks, the library, classrooms, and hostels.

The institution's internet access is equally impressive, facilitated by a 10 Gbps internet leased line from NKN, supplemented by a backup connection of 2 Gbps operating in failover mode. This connectivity extends throughout the premises via both LAN and Wi-Fi, encompassing residences, academic facilities, dining areas, lecture halls, R&D spaces, the library, and hostels.

A cornerstone of IIIT-Delhi's IT prowess is its self-contained data center. **Housing 100 physical servers, 100 VMs, and a unified network storage boasting a capacity of 500 TB**, the data center ensures maximum uptime through redundant UPS backup. This connectivity extends to the Internet through public IPs. IP telephony permeates the entire campus, manifesting in the form of 350 IP phones. Cisco Webex Meeting Center, with a host capacity of **200 and VoIP and Video capabilities, and Polycom HDX7000 VC System enhance collaboration and communication**. Additionally, platforms like Skype, Zoom, and Meet are facilitated through Logitech Group's Video Conferencing System.

For remote access to IIIT-Delhi's IT resources, a VPN solution is in place, accommodating external connectivity. The critical IT infrastructure is fortified by **2 x 100KVA UPS units**, configured in N+1 redundancy. **Three DGX Servers** have been incorporated into the institute, each housing eight A100 40 GB NVIDIA GPUs. These high-performance computing facilities are purpose-built for deep learning and AI research, providing the computational power necessary for handling complex AI projects efficiently.

Academic ERP services are extended to both students and faculty, enabling course registration, add-drop functionalities, grade viewing, and more. The Tape Library Backup Solution leverages **LTO 6 Tape Backup** to ensure onsite and offsite backup of essential data. A network of five state-of-the-art computer labs, **comprising over 425 desktops**, caters primarily to undergraduate teaching. These labs operate on a 100 KVA UPS supply, with dual-boot Linux and Windows systems running a variety of software. The labs also offer secure domain-based authentication for access to online services.



Institute Innovation Council

The Institute Innovation Council (IIC) at IIIT-Delhi was established with an aim to inculcate the culture of innovation in the students and faculty at Higher Education Institutions (HEIs). This also includes supporting young students with their ideas and helping them transform those ideas into prototypes while they are in academia.

IIC collaborates with the **entrepreneurship club (E-cell), IRD office, and IIITD Innovation and Incubation Center (IIITDIC)** to encourage the spirit of entrepreneurship among the stakeholders. The IIC organizes a wide range of activities including: ideathons, pitch events, challenges, workshops, seminars and wisdom talks, interaction with entrepreneurs, investors, mentors, etc.

The E-cell publishes a newsletter to announce upcoming events, present insights, and share experiences from the recently conducted events with the IIIT-Delhi community.

Delhi S&T Cluster

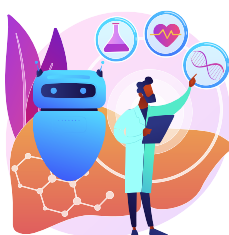
DRIIV (Delhi Research Implementation and Innovation)

The Delhi Science and Technology (S & T) Cluster, managed by DRIIV, was initiated by the Office of the Principal Scientific Advisor (PSA) to the Government of India. Through this kind of endeavor, the S & T Cluster plans to promote advanced knowledge and expertise in S & T for the overall benefit of different cities in India. The idea is also to ensure an effective contribution to Indian R & D to resolve specific national issues. A conglomeration of academia, industry and government bodies will help identify the solutions to society's problems. Delhi Cluster stems from the understanding that virtual and seamless connectivity among academia, R & D laboratories, industries, and government agencies located in the geographic proximity of a particular city, would encourage focused education, research, and innovation. The cluster will provide a broad platform for knowledge exchange amongst human capital from different institutes towards developing better scientific solutions by bringing scientific equipment-intensive labs together with human capital-rich academic institutes.

Under the scheme, IIIT-Delhi is working towards the following causes:



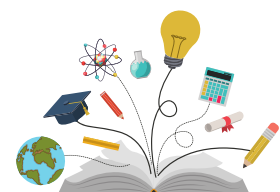
Air Pollution



Artificial Intelligence/
Machine Learning in
Healthcare



Sustainable Mobility:
Improving Mobility for
Everybody

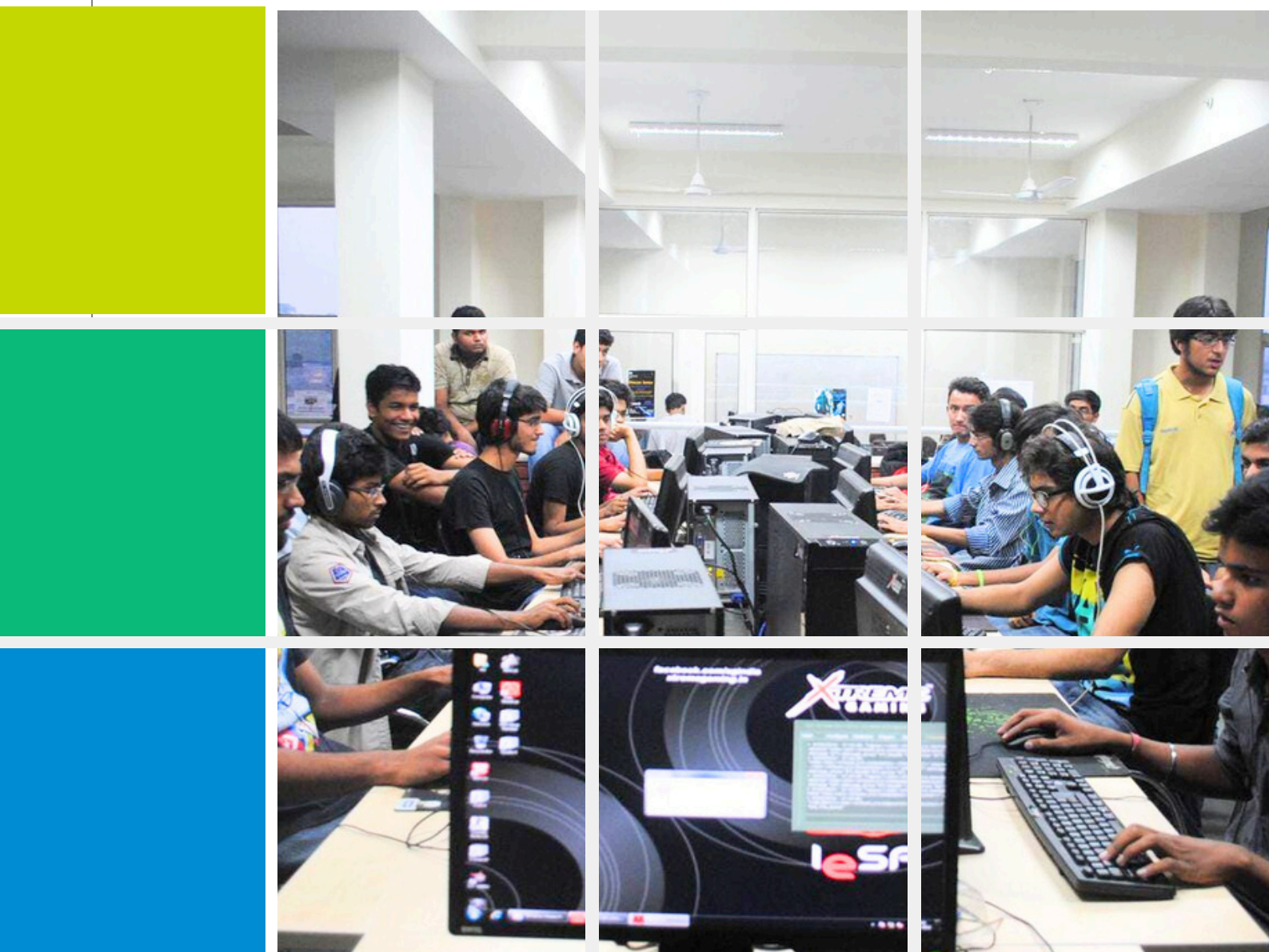


Effective Education



List of Labs

- Academic Writing Lab
- Advanced Multi-core Systems Lab
- AI/ML for Medicine and Public Health Lab
- Algorithms for Transcriptomics of Tomorrow Lab
- Algorithms to Architecture Lab
- Complex Systems Lab
- Computational Biology for Health Lab
- Computational Structural Biology Lab
- Cross-Caps Lab
- Cryptology Research Group (CRG) Lab
- Design and Innovation Lab
- High Performance Computing Lab
- Human-Machine Interaction Lab
- Knowledgeable Computing and Reasoning Lab
- Laboratory for Computational Social Systems
- Living Lab
- Melange Lab
- MIDAS Lab
- Mobility and Optimization Lab
- Nanoscale Devices and Circuit Lab
- NeatAI Servo Lab
- Networks Research Lab
- Quantum Computing Lab
- Reggenlab: Regulatory Genomics Lab
- Signal Analysis for Large Scale Applications
- Signal processing and Bio-medical Imaging Lab
- Space Systems Lab
- Systems and Mathematical Biology Lab
- The Chemosensory Lab
- The Translational Biology Lab
- Weave Lab
- Wirocomm Lab



Sponsored Research



“Nothing worthwhile is ever achieved without deep thought and hard work.”

Mr. J. R. D. Tata

Indian industrialist, philanthropist, aviator and chairman of Tata Group

Sponsored Research

IIIT-Delhi has always emphasized bringing real-world relevance into the classroom and has encouraged faculty members to work with industry and government partners on sponsored research.

The faculty members of IIIT-Delhi are involved in collaborative research, funded both by national and international agencies and industry partners. The Institute has set up modern laboratories and supporting infrastructure to carry out cutting-edge research. The faculty members continuously involve students in the projects to provide them an edge over other researchers regarding hands-on practical application in solving real-life issues. The sponsored research has also emerged as a crucial factor in creating the research infrastructure while strengthening the facilities in some of the emerging areas of technology.

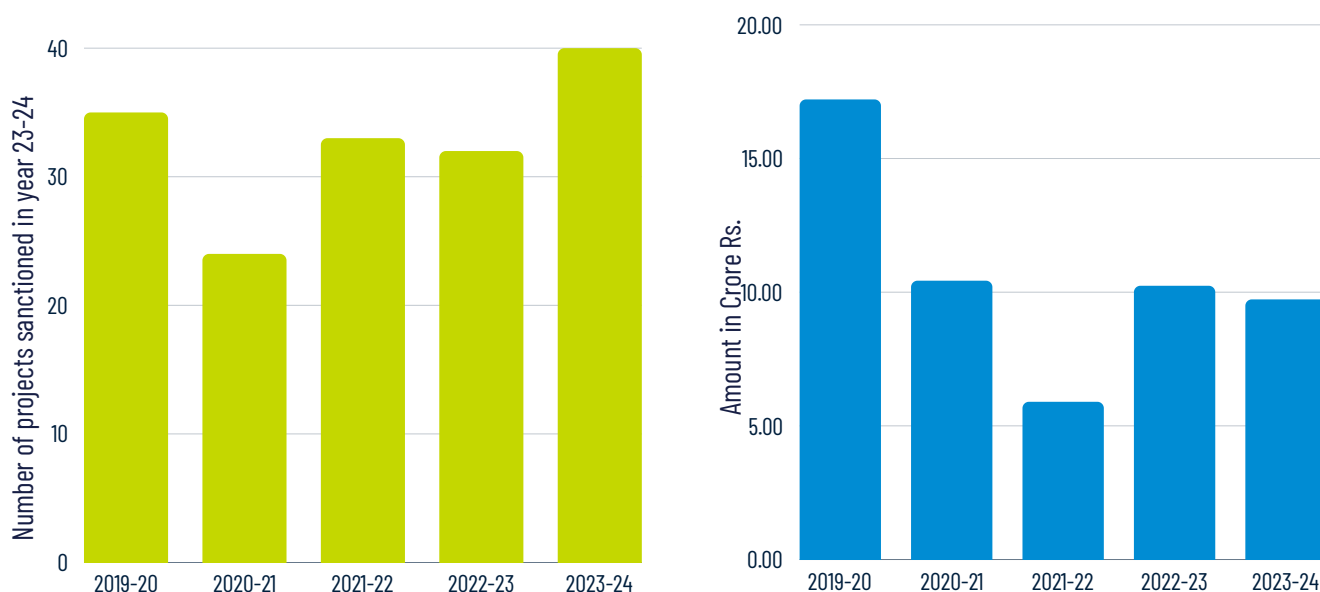
These projects and assignments require a fair amount of scientific and technical inputs from the faculty and staff of the Institute. The students also get trained in the process of tackling such practical problems. Equally important is the fact that the knowledge and expertise of the Institute are available for solving some of the pressing technological issues relevant to the industry and the nation.



Projects

Cutting-edge research is carried out both within disciplines and at the interface of domains. One of the parameters to test the efficacy and impact of the research work at the Institute is its applicability to real-world problem-solving. The faculty members at IIIT-Delhi regularly undertake R&D projects sponsored by government agencies, industries, or other institutions to generate new knowledge, develop new technological processes, and create new products.

The faculty members and students working on these sponsored research projects help delineate the difference between engineering and technology to make the maximum impact. The figure below on the left show the number and sanctioned amount of the projects received in last years, and the figure on the right shows earning from the projects in last 5 years. Details of ongoing projects and new projects are given in iiitd.ac.in/ar/appendices24.



In Financial Year 2023-24, the Institute has received **40 Sponsored Researched Projects (SRP)** for a total sanctioned amount of **Rs. 18,18,51,336**. The fund received in year 2023-24 from SRPs is **Rs. 9,73,55,729**

Apart from the SRPs, the Institute also receives funding for fellowship projects, corporate projects, faculty award projects, and other funding for centres and education programs. Total external funding received by the Institute in the financial year **2023-24 is Rs. 15,31,12,483** (including faculty consultancy projects which are separately mentioned in the next section).

*The value of the projects granted in other currencies might change as per the currency conversion rate

The Sponsors



Industry Interactions



"If you want to walk fast, walk alone. But if you want to walk far, walk together."

Mr. Ratan Tata

Indian Industrialist, Philanthropist, and a Former Chairman of Tata Sons

Consultancy Projects

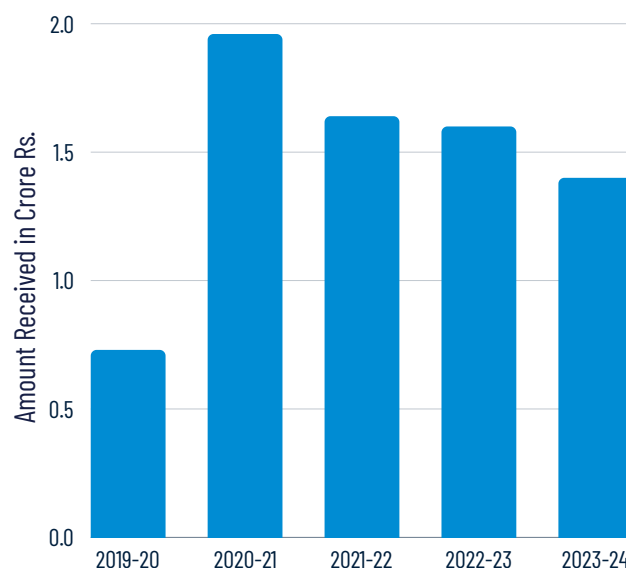
Collaborations between universities and industry have given life to many disruptive discoveries over the years. There are several examples of fruitful partnerships between universities, industry partners, and start-ups. Many ideas from research in universities are relevant for industrial innovations. Others reach the market through licensing or start-up companies. Endeavors to find solutions to complex social, environmental, and economic challenges – for example, in energy, environment, health, or security – have increasingly required collaboration between universities and industry because few organisations have the internal capacity to deliver results independently.

University-industry collaboration requires careful management and can bring many benefits. These include a two-way flow of ideas: results can flow out to industry, and they can also be in-bound to fuel research questions. For example, sometimes technical problems experienced at the cutting-edge of practice lead to new questions for science.



Consultancy Projects

With their professional knowledge and expertise, the faculty are involved in numerous consultation projects with the industry and government, advising them on various theoretical and practical problems. The Institute facilities are used for carrying out research, theoretical analyses, or experimentation to deliver such consultancy projects. The figures below show the number of the projects received in last five years and the amount received each year over the last five years. The details of the ongoing consultancy projects and the new projects are available at iiitd.ac.in/ar/appendices24.



In Financial Year 2023-24, the Institute has received 13 New Consultancy Projects for a total sanctioned amount of **Rs. 1,44,52,446**. In the previous year the Institute has earned **Rs. ₹3,72,86,728** from consultancy projects

The Sponsors

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CONSULTANCY
SERVICES



Sony AI



Odisha State Road Transport Corporation
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SONY

Industry Outreach Program

The Industry Outreach Program (IOP) aims to connect and collaborate with leaders in academia, industry, and government to create industry readiness and foster future discoveries and scientific applications development. IIIT-Delhi recognizes the need to cooperate with the industry and provide direct interactive programs with the industry stalwarts through different Campus Connect programs.

The IOP office aims to engage with industries in four major domains, i.e., sponsored research, industry-sponsored Ph.D. fellowships, courses for industry professionals, and M.Tech. Thesis for the students. GOP (Govt. agencies Outreach Program) is managed by the team IOP and takes inputs from faculty members from time to time. The aim is to engage with government agencies to secure research projects, establish research centers, Ph.D. fellowships, etc.

As an IOP initiative, Fast Retailing Co., Ltd. signed an agreement with the Indraprastha Institute of Information Technology Delhi to create the Fast Retailing Educational Sponsorship Program for students with high potential who seek financial assistance.



Through this educational sponsorship program will be funded by Fast Retailing and cover full tuition and related costs for a total of five freshman students a year, covering the full four-year period for a bachelor's degree and two-year period for a master's degree. The structure of the program will be determined by the IIIT-Delhi to ensure it provides maximum benefit. The recipients will be able to participate in Japanese language and culture studies and intern at UNIQLO India. Candidates who pass certain milestones will also be eligible to join Fast Retailing in Japan or UNIQLO in India, to help leverage skills they gain during their studies.

Vision of IOP office

To build research, technology, and innovation collaborations with strong partnerships with industries for mutual benefits through R&D, Projects, IPR, etc.

Scope

IOP has a mandate to explore and execute business partnerships with industries and, up to some extent, Government agencies. It is envisaged to be one of the revenue-generating ventures of the Institute. The focus areas of IOP for revenue generation are research and human resource development.

Verticals



Fellowship



Research partnerships with industries



Industry sponsored lab



Joint M. Tech. thesis



On-campus executive courses



Online executive courses

Entrepreneurship and Start-up Ecosystem



*"If you don't build your dream,
someone else will hire you to
help them build theirs."*

Mr. Dhirubhai Ambani

Indian businessman, founder of Reliance Industries

Entrepreneurship and Start-up Ecosystem

While universities successfully produce good ideas, the socio-economic ecosystem often fails to transform these ideas/ inventions into innovations that benefit the industry or society. IIIT-Delhi is aware of this weak link and has continuously evolved a culture of innovation and encouraging entrepreneurship.

IIITD Innovation and Incubation Center (IIITD-IC) is a tech incubator that fosters innovation by supporting technology-based start-ups. The aim is to enable an ecosystem for their growth, and IIITD-IC has been facilitating the ICT-based start-ups from various technology verticals.

IIITD-IC is actively contributing to the ecosystem by conducting outcome-focused events and activities. IIIT-Delhi continues to develop the infrastructure and mechanisms that enable the faculty to perform at the best of their capabilities, from idea generation to entrepreneurship. Additionally, intellectual property policies at IIIT-Delhi are open and non-restrictive, and a clearly defined process exists for engaging with the industry of incubating a start-up.

Current StartUps



The IIITD-IC is a thriving hub for start-ups, fostering innovation and entrepreneurship. Its vibrant ecosystem provides access to cutting-edge research, mentorship, and resources. Start-ups at IIITD-IC benefit from a collaborative environment, industry partnerships, and a strong network, propelling them towards success in the ever-evolving world of technology and business.

START-UPS BY STUDENT

- Zaillet Solutions Pvt Ltd
- Vraiort Pvt Ltd

STARTUPS BY FACULTY

- Deep Gauge
- Gastronomica Science & Techonology
- ShikshAI Pvt Ltd
- Signal Sciences And Artificial Intelligence Laboratories Pvt Ltd (SigSAIL)
- Mirae AI Systems Pvt Ltd

START-UPS BY ALUMNI

- Parkcorps Software Services Pvt Ltd
- Hydronio (OPC) Pvt Ltd
- Dereal Labs Pvt Ltd
- Swapeco Solutions Pvt Ltd
- W3 Dev Pvt Ltd
- GoBikes Automotive Pvt Ltd
- Tweek Labs Pvt Ltd
- Eleqtrasoft Education Pvt Ltd
- Spurtastic Technologies Pvt Ltd
- Stimveda Neurosciences Pvt Ltd

External Start-ups

64

Exited Start-ups

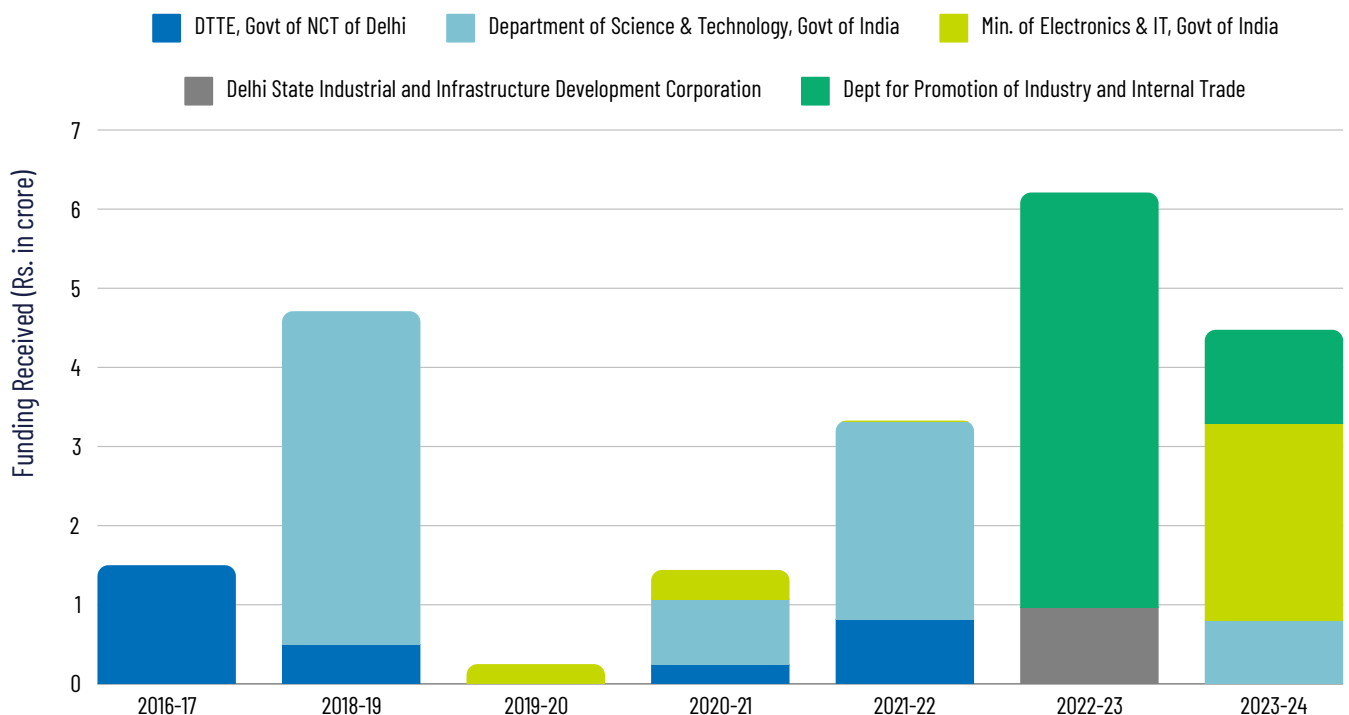
21



Funding Received

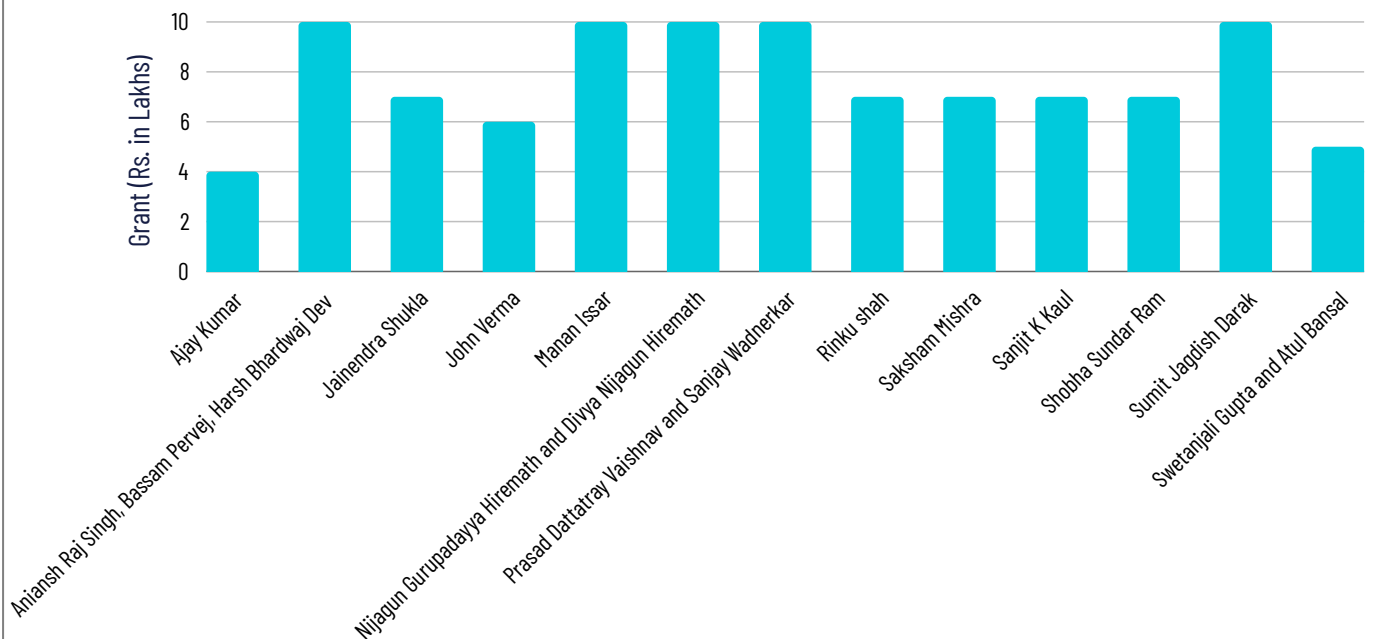
IIITD-IC has experienced significant support through various funding sources, reflecting a strong commitment to fostering innovation and entrepreneurship. Notably, the Center received a commendable contribution of **Rs. 249 lakh** this year from the TIDE 2.0 scheme, under Ministry of Electronics and Information Technology, Government of India, and **Rs. 80 lakh** from Department of Science & Technology, Govt of India.

Additionally, the center's growth and innovation efforts have been bolstered by the Department for Promotion of Industry and Internal Trade's (DPIIT) Start India Seed Fund Scheme (SISFS), which provided a substantial funding of **Rs. 118.5 lakh**. This initiative demonstrates the government's visionary approach to stimulating startup ecosystems and nurturing emerging enterprises.



PRAYAS Grant given by IIITD-IC

IIITD-IC's PRAYAS grant has been instrumental in fueling innovation by providing financial support to a group of talented innovators. This grant has enabled the realization of diverse ideas and projects, as reflected in the individuals who received funding. The contributions range from ₹4.00 lakhs to ₹10.00 lakhs, facilitating the innovative journey of start-ups.



Alumni Fellowship given by IIITD-IC

The IIITD Incubation Centre has granted alumni fellowships to several graduates who wish to embark on their entrepreneurial journeys. Among the recipients are Abhishek Kumar and Perna Singh from Parkcorps Software Services Pvt Ltd (Justcling), Sarthak Madan from Hydronio (OPC) Pvt Ltd (Blazing Studios), and Palash Ranjan Bansal and Sarita Bansal from Dereal Labs Pvt Ltd (RealVol). Other notable fellows include Mukul Chhabra and Ashutosh Kumar from Swapeco Solutions Pvt Ltd, Ashutosh Kumar and Prashant from W3 Dev Pvt Ltd, Sidharth Chandra and Sunita Chandra from GoBikes Automotive Pvt Ltd, Anant Sharma and Shwetank Shrey from Tweek Labs Pvt Ltd, Robin Singh and Rohit Raghav from Eleqtrasoft Education Pvt Ltd, Royal Tomar and Rohan Rajpal from Spurtastic Technologies Pvt Ltd, and YS Ramya and Lakshay Sahni from Stimveda Neurosciences Pvt Ltd. These fellowships aim to support and nurture the innovative ideas of IIIT-Delhi alumni, helping them to transform their visions into successful startups.

Facilities and Offerings

IIITD-IC provides incubation space and logistical support. It helps start-ups and existing companies by providing, management, mentorship, co-working space, and technological assistance. The primary purpose of a start-up incubator is to help entrepreneurs grow their businesses. The incubation center also provides a monthly alumni fellowship of Rs. 30,000 to certain start-ups.



Co-Working Space



IT Infrastructure



Technical Mentoring



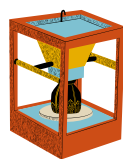
Business Advisory



Connect with Investors



Recreational Facilities



Design & Innovation Lab for hardware prototyping



Networking & Marketing opportunities



Funding opportunities



Student Interns & Researchers from IIIT-Delhi

Technology Innovation Hub



"An entrepreneur's ability to innovate, persevere, and take calculated risks is the key to their success."

Ms. Kiran Mazumdar-Shaw

Indian Entrepreneur. Executive Chairperson and founder of Biocon Limited and Biocon Biologics Limited



iHuB Anubhuti

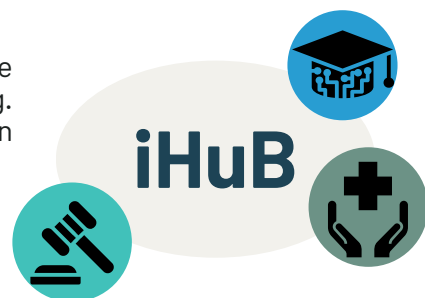
Technology Innovation Hub (TiH) on "Cognitive Computing and Social Sensing" for Interdisciplinary Cyber-Physical Systems (ICPS), called iHub Anubhuti, has been established by IIIT-Delhi as a Section 8 Company under the aegis of the National Mission on Interdisciplinary Cyber-Physical Systems (NM-ICPS) of the Department of Science and Technology, Government of India.

Human Resource Development in "Machine Learning, Artificial Intelligence, and Cognitive Computing & Social Sensing" is an important goal of iHub Anubhuti. Towards this, it will support the human resources at different levels – Undergraduates, Postgraduates, Doctoral, Postdoctoral, Faculty Fellowships and Chair Professors. The aim is to increase CPS's research base and support the technical projects run under iHub Anubhuti.

Focus

The focus of the TiH is to develop technological solutions to any cutting-edge problems of national interest pertaining to cognitive computing and social sensing. However, we envision that the TiH will primarily grow in three major application verticals –

- Legal Information Processing System (Legaltech)
- Maternal and Child Public Health (HealthTech)
- Cognitive Computing and Social Sensing (EdTech)



Innovation & Entrepreneurship Programs

The iHub Anubhuti's Technology Business Incubator (TBI) serves as a purposeful platform nurturing startups in cognitive computing and social sensing. Our core aim is to foster job creation, innovation, and a robust startup ecosystem by connecting academia, financial institutions, industries, and more. Leveraging diverse resources, we empower these startups to thrive.

Within the realm of iHub Anubhuti TBI, we extend a comprehensive array of offerings, including:

- Tailored workspace solutions and amenities for shared office spaces
- Unrestricted access to Hi-tech lab Facilities
- Facilitation of funding opportunities
- Expert mentoring spanning crucial areas such as strategic business planning, and technical mentorship
- Facilitating invaluable connections within the industrial network

Various startup Schemes

**CPS-EiR
(Entrepreneur
in Residence)**

CPS-PRAYAS

**Anubhav Seed
Funding**

**Dedicated
Innovation
Accelerator
(DIAL)**

**Pre-Incubation
Program '23
with
Wadhvani
Foundation**

Collaborations

- MoU With Max Healthcare to advance healthcare for research and education
- MoU With NASSCOM for Startup/Incubation
- MoU for setting up of Electropreneur Park Project 2.0 jointly by iHub Anubhuti, STPI, IESA, IIIT-D , and STPINEXT
- MoU for setting up of Medical Cobotics Center (MCC) jointly by iHub Anubhuti and IHFC - iHub Foundation for Cobotics
- Collaboration with BIRAC and other partners for Amrit Grand Challenge "JANCARE" Program.
- MOU with Health Parliament for academic collaboration and innovation in healthcare



Medical Cobotics Centre

I-Hub Foundation for Cobotics (IHFC), the Technology Innovation Hub (TIH) of Indian Institute of Technology Delhi (IIT Delhi) and iHub Anubhuti, the TIH of Indraprastha Institute of Information Technology Delhi (IIIT-Delhi), signed an Memorandum of Understanding on 17th November 2021 to set up India's first Medical Cobotics Centre (MCC) at IIIT-Delhi.

Medical Cobotics Centre (MCC) is a technology enabled medical simulation and training facility for the young resident doctors besides acting as a validation centre for the research outcomes in the area of healthcare robotics and digital health. It will facilitate the training of other healthcare professionals, paramedical staff, technicians, engineers, and researchers.

IIT Delhi and IIIT-Delhi have strong expertise in engineering and have strong linkages with researchers and medical professionals from various institutions in India, such as AIIMS and others. The two Hubs are committed to developing advanced technologies in the field of medical robotics/cobotics, digital health, sensing and computing technologies desired in robotic-assisted surgeries, training, and medical procedures.

The training programs will be designed in consultation with leading doctors/experts, mainly from All India Institute of Medical Sciences (AIIMS) New Delhi, MAX Healthcare and other prestigious medical colleges. They will be empanelled as guest faculty for conducting the same. The training programs would be at multiple levels (basic/advanced) and cohort-specific like urology, neurology, laparoscopy, and others, but initially limited to minimally invasive surgeries.

There are multiple equipment and sensors that have been installed for capacity building or training purposes, such as Human patient simulators, HPS Moulage kit, Digital PTZ HD Camera, All-in-one computer for simulated patient monitor, EEG band, Chest band bio harness, DGX Servers etc.



Institute Collaborations



*"Coming together is a beginning;
keeping together is progress;
working together is success."*

Pt. Jawaharlal Nehru

First Prime Minister of independent India

Collaborations

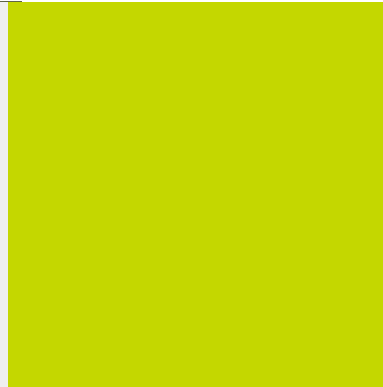
At IIIT-Delhi, a vibrant culture of collaboration pervades every facet of its operation. The Institute's commitment to collaboration is evident both at the institutional and departmental levels. The faculty, driven by a passion for innovation, is strongly encouraged to engage in partnerships with colleagues not only within the country but also across international borders. These collaborations extend to diverse entities such as universities, industries, government bodies, and ministries, reflecting the institute's comprehensive approach.

On the industry front, IIIT-Delhi has strategically fostered numerous collaborations that empower students and faculty to engage with real-world challenges. These industry partnerships serve as dynamic platforms for knowledge exchange, internships, joint research projects, and technology transfer. By bridging the gap between academia and industry, the institute not only enriches the learning experiences of its students but also contributes to the practical application of cutting-edge research.

Faculty collaborations are a cornerstone of IIIT-Delhi's collaborative ethos. Faculty members are encouraged to establish academic and industry partnership that transcend geographical boundaries. These partnerships enable expertise sharing, cross-fertilisation of ideas, and innovative research. Such collaborations are a testament to the institute's commitment to advancing knowledge and driving societal progress through collective efforts.

IIIT-Delhi's culture of collaboration resonates at every level, enabling the institute to harness the power of partnerships to drive innovation, learning, and impactful contributions to society.

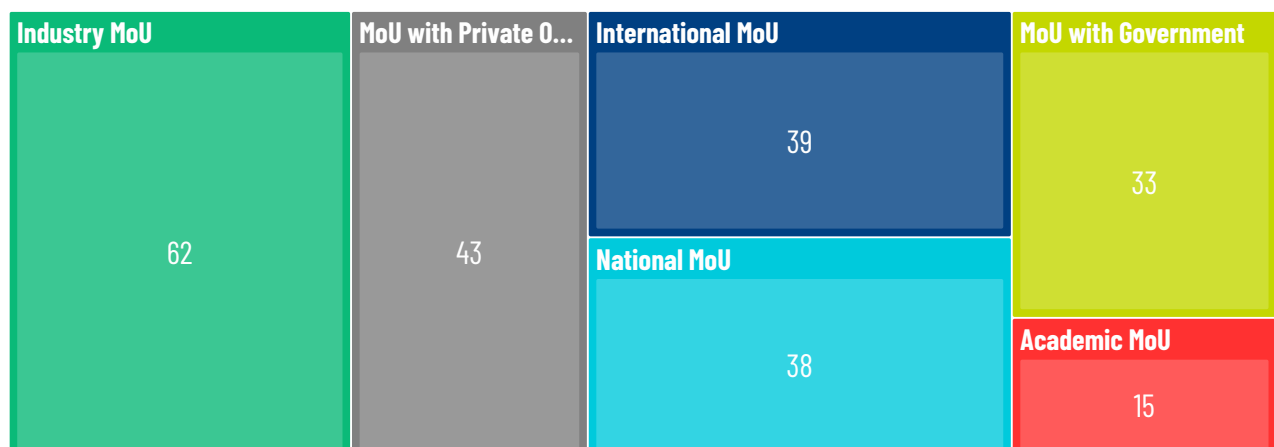




Institute Collaborations

In today's changing world, forming research and industrial linkages has never been more critical. Further, the rate of globalization is proliferating with ultra-fast communication channels and growing travel facilities. Universities worldwide are already seeking to make the most of the possibilities this presents by forming global partnerships and fostering relationships with other institutions and industries. The recent pandemic has also highlighted the need for collaboration to address global challenges. Notable collaborations include:

- MoU with the Delhi Metro Rail Corporation through Centre for Sustainable Mobility (CSM) to enhance the passenger experience and promote technological advancements.
- A Tripartite agreement between Ministry of Rural Development, GoI, iHub Anubhuti-IIITD Foundation and Indraprastha Institute of Information Technology, Delhi to carry out research, design and development through deployment and use of technologies in rural development sector.
- Department of Telecommunications (DOT) has launched Bharat 6G Alliance to Drive Innovation and Collaboration in Next-Generation Wireless Technology.
- IIITD Innovation & Incubation Center & YES BANK have partnered to support startups.
- MoU with Artificial Brain for advance research in the area of Quantum Computing
- MoU with IDEAS NCB, for developing academic and research cooperation in the field of artificial intelligence.
- MoU with Telecommunication Engineering Centre (TEC), technical arm of Department of Telecommunications (DOT), Ministry of Communications, Government of India; to drive innovation in the realm of Trustworthy and Responsible Artificial Intelligence Systems.
- MoU with the University of Illinois System for joint educational and research activities, faculty and staff exchanges, and much more.
- Tripartite MoU with AIIMS-Delhi and RailTel Corporation of India Ltd; towards financial support for a joint project titled 'Peripheral Blood Smear Investigator (PeBSI): an AI-assisted Solution for the Differential Diagnosis of Peripheral Blood Smear'.
- MoU with India Health Fund (IHF) through the Centre of Excellence in Healthcare, to establish a strategic partnership for a collaborative healthcare ecosystem, launch joint programmes for particular technological themes like digital health research and innovation, and support startups through incubation, among other things. This collaboration, facilitated by DRIIV, promises to revolutionize healthcare.
- MoU with National Highways Authority of India (NHAI) to implement AI-based solutions to improve road signage on National Highways in India.



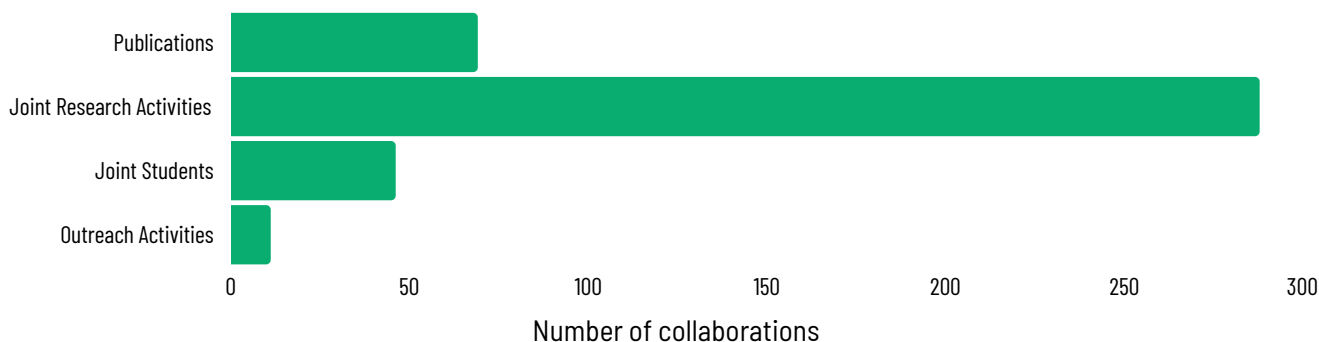


Faculty Collaboration

IIIT-Delhi's culture of collaboration is the driving force for research innovation. The Institute has an excellent reputation for its external collaborations. It has actively developed strong working relationships with reputable universities, research groups, policymakers, industry partners, and companies. The Institute runs a wide range of highly successful initiatives, including industry-sponsored research, in-house training, consultancy, and workshops. These collaborations add tremendous value to the socially relevant research and training programs of the Institute. The map below shows where the Institute's collaborators are located in, and the figure on the bottom of the page shows the outcome of these collaborations. A detail list is given in the weblink iiitd.ac.in/ar/appendices24.



Outcome of faculty collaborations :



Sustainable Development Goals



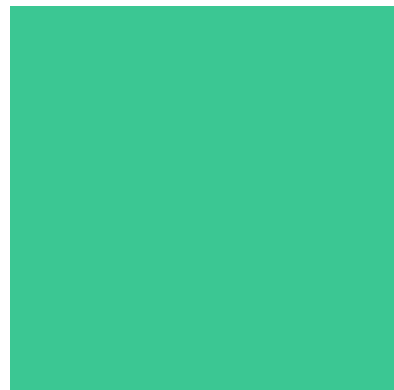
"Earth provides enough to satisfy every man's needs, but not every man's greed."

Mr. Mohandas Karamchand Gandhi

Father of the Nation



Initiatives Towards Sustainable Development Goals



Sustainable development is crucial to the future of the country and the entire planet. The framework of the Sustainable Development Goals (SDGs) ensures social cohesion, economic prosperity, and protection of the environment. Education, research, and innovation are essential in sustainable development, making universities critical contributors to achieving the goals.

The Sustainable Development Goals provide a common international framework for concrete action. Adopted in 2015 by 193 countries, the 17 goals have 169 targets and are part of the United Nations sustainable development plan to end poverty, protect the planet, and ensure prosperity by 2030.

Institute's faculty, teachers, and students work in partnership with citizens and the private and the public sector, co-creating knowledge that can produce solutions. The combination of these core missions gives IIIT-Delhi a unique place in the joint effort to achieve the SDGs.



Initiatives Towards Sustainable Development Goals

Universities in India and around the world are crucial for global sustainable development. IIIT-Delhi plays an essential role in the worldwide agenda for achieving the United Nations' Sustainable Development Goals (SDGs). The Institute contributes to the SDGs through research and education in various disciplines that can potentially contribute to a better future. In a complex and diverse country like India, realizing the Sustainable Development Goals must rest on knowledge, new research, innovation, and citizens empowered by critical thinking. Figure below shows the number of projects under each SDG being carried out at the Institute.



New research initiatives towards achieving SDGs

- Machine learning for critical care and community medicine
- Big data for clinical decision support
- Mobile Sensing and Data Analytics for Sustainability and Healthcare
- Mobile Device-centric Environment for Healthcare Delivery, Mobility, and transport
- Security issues in Online Social networks and e-Crime
- Prediction, detection, and monitoring system for landslides in hilly regions
- In-depth Analysis of Abuses in Social Media
- New technologies to transform social life.
- Privacy in India: Attitudes and Awareness
- Visual Wildlife Monitoring
- Autonomous Driving and Road Safety
- Target Tracking in Surveillance Camera
- Networks Medical Imaging
- Biometrics and Forensics
- Contactless Ticketing
- Digital Reproductive Health Management

Sustainable Campus Management

Sustainable campus management has become necessary to many universities and is often considered part of the institution's societal responsibility. Sustainable management can include energy saving measures, resource efficiency and waste reduction, sharing of services, infrastructure and facilities with other universities or external partners. A key element in all sustainability strategies is the "whole-institution approach," meaning all parts of the university community, including external stakeholders, are involved in the efforts. Pictures are provided in the infrastructure section.

Green Campus Initiatives



- Ecologically friendly campus
- Layout, orientation, and openings of the Campus buildings have been constructed to reduce incident heat in the working areas and reduce the HVAC load with adequate daylighting
- Aligned with the site topography to maintain the natural gradient with no sewage pumping requirements
- Terraces of the buildings are covered with heat reflective tiles / China crazy tile flooring and provided with insulation
- Sun-facing walls of academic and seminar blocks are cavity walls /with insulation. Windows/Glazing in such blocks are provided with vacuum insulated tinted double glass units to optimize HVAC load in the academic spaces
- Low embedded energy items, fly ash-based material as AAC blocks, and PPC Cement have been used in the construction works of the campus

Waste Disposal and Sewage Treatment Plants

- The entire sewage discharge is treated by 4 STPs, and the treated water and sludge is used for horticulture
- Solid waste management involves the segregation of dry and wet waste through separate colored collection bins, composting machine and two vermicompost pits
- The biomedical waste is disposed of through DPCC-authorized bio-medical waste handlers
- E-waste and plastic waste are disposed of through authorized handlers
- The Institute strongly discourages single-use plastic



Water Conservation



- The rainwater is collected from terraces and used to recharge groundwater using rainwater collection and harvesting structures and swales.
- This enables the conservation of precious water resources, and only recycled water is used for horticulture

Landscaped Greens



- There are widespread green areas that are creatively landscaped to retain flora and fauna of the region
- The much-needed ambiance is provided with well-manicured lawns bordered by flowering beds, sit-out areas, and an open-air amphitheatre
- A herbal garden with around 30 species of medicinal plants has also been developed on campus

Energy Conservation

-Power Supply, HVAC Systems, Use of Non-Conventional Energy

- The air conditioning is through centralized chillers using energy-efficient Screw compressors with VFD that is BMS controlled, and the system is also provided with VFDs, on all pumps and AHU's
- The power consumption is monitored through a power monitoring dashboard to track 24x7 usage of power through smart meters at all locations to prevent any wastage of electrical energy
- The energy-efficient building elements and MRL lifts conserve power Non-conventional Solar power plant energy systems, solar hot water systems with PNG backup, and high-performance heat pumps are used to heat water for the mess canteen kitchens, residential hostels, etc. The remaining academic block terraces have been provided with Solar Photovoltaic Power plants of a total of 220 KW grid-connected systems reducing the campus's carbon footprint



Operations, Maintenance and Security of the Campus



- The campus is maintained through a Facility Management System
- There is a security agency with CCTV monitoring and Security Access Control Systems in labs, BMS systems, and AMC of all major systems
- Use of Mechanized sweeping and cleaning equipment
- SOPs are available for the smooth operations of all the systems

The campus has received the **Swachh Bharat Campus award**, and the Academic and Lecture Hall Complex areas have secured the **GRIHA 4 star rating**

Outreach and Professional Services



“You cannot get through a single day without having an impact on the world around you. What you do makes a difference, and you have to decide what kind of difference you want to make.”

Dr. Jane Goodall

English Zoologist, Primatologist and Anthropologist

Institute Outreach Activities

The Institute organizes a diverse array of events and outreach activities throughout the year, aimed at benefiting both the academic community and the public. These initiatives not only enhance the visibility of the Institute but also promote academic collaborations, exchanges, and knowledge sharing.

One of the most notable events was the visit of Sam Altman to IIIT-Delhi, where he shared insights into the future of technology and entrepreneurship, inspiring both students and faculty. The Research and Incubation Showcase is another flagship event, highlighting groundbreaking projects and startup innovations emerging from the Institute. This event provides a platform for researchers and entrepreneurs to present their work to a wider audience, fostering collaboration and investment opportunities.

The annual Foundation Day celebrations are a significant milestone, marking the Institute's achievements and vision for the future. This event brings together alumni, faculty, students, and industry leaders to celebrate the Institute's progress and discuss future directions.

In addition to these major events, the Institute also hosts numerous student-driven outreach programs. These initiatives play a crucial role in the intellectual, emotional, social, moral, and aesthetic development of the students. Activities such as community service projects, workshops, and cultural events encourage students to think creatively, engage enthusiastically, and maintain a positive outlook. These programs are designed to foster holistic growth, preparing students to contribute meaningfully to society.

Below is a list of all the activities organized by the Institute, showcasing its commitment to academic excellence and community engagement.



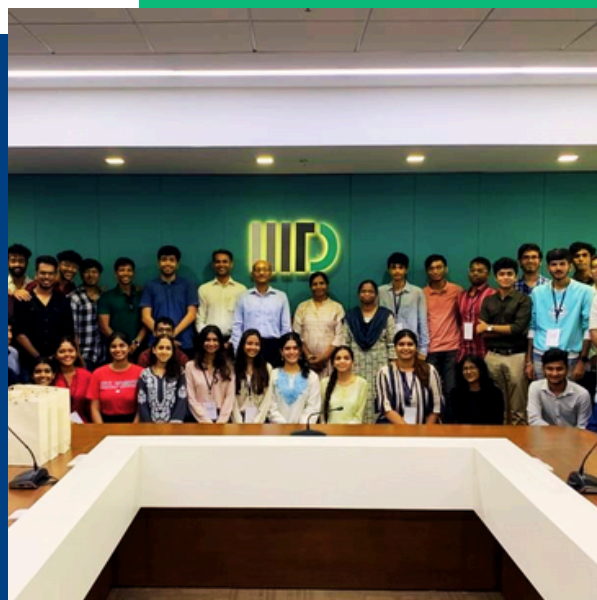


5G cellular systems workshop

IIIT-Delhi concluded a 2-week workshop on the Design and Fundamentals of 5G and Beyond 5G cellular systems. The workshop covered the indigenous design and development of 5G equipment in India and the standardization efforts by Indian academic institutions and companies. Aimed at enhancing employability for faculty, students, and industry professionals in telecommunications, it focused on 5G system design, fundamentals, and performance analysis. The program, aligned with National Skill Qualification Framework (NSQF) levels 5 and above, offered 50 contact hours of both theoretical and practical learning, providing participants with essential technical knowledge for a successful career in telecommunications.

Summer School on Digital System Design for FPGAs

Dr. Sumit J. Darak and the Algorithms to Architecture Lab, ECE, IIIT-Delhi, successfully conducted the second edition of a two-week summer school on Digital System Design for FPGAs. Held under the National Academic Immersion Program (NAIP) for MITWPU, Pune, the program saw the participation of 47 BTech ECE (AI/ML Stream) students. The curriculum included Verilog-based design of sequential circuits and VGA-based video game design on the Basys 3 FPGA board.



3-Day Online Workshop on Professional Effectiveness

Confederation of Indian Industry (CII) and the Innovation & Incubation Center, in collaboration with MacLead Certifications and Sleepwell Foundation, successfully conducted a 3-day online workshop titled "Build Your Professional Effectiveness." The workshop, was attended by IIITD students and focused on enhancing various professional skills.



Session on "Chandrayaan and Space Technology" for children

The Library and Information Centre recently organized an engaging session on "Chandrayaan and Space Technology" for the children of faculty and staff. The session was conducted by Dr. Sanat K. Biswas, a faculty member at IIIT-Delhi. The event saw enthusiastic participation from many children who were keen to learn about space exploration and technology. Dr. Biswas shared fascinating insights into India's Chandrayaan missions and the broader field of space technology, captivating the young audience with his knowledge and passion.

Summer School on Digital System Design for FPGAs

IIIT-Delhi organized a screening of the live telecast of the Chandrayaan 3 landing on its campus for students, faculty, and staff. The event was marked by immense enthusiasm as everyone cheered for the ISRO team. Media teams, including Aaj Tak and News 24, were present to capture the excitement and enthusiasm of the students.



IIIT-Delhi B.Tech Induction Program 2023

Hosted a comprehensive induction program for its incoming B.Tech students. The event was designed to introduce new students to the institute's culture, values, and academic environment. Distinguished keynote speakers, including Pankaj Jalote, Distinguished Professor and Founding Director of IIIT-Delhi, and Dr. Anil Gupta, Padma Shri Awardee and Founder of the Honey Bee Network, shared their insights and wisdom. Additionally, the program featured inspiring guest speakers such as comedian Aditya Kulshreshtha (Kullu), Ayushman Pandita, founder of Growth Rocket and content creator, Shivansh Garg, entrepreneur and angel investor, and Kanav Bhagat, motorsports commentator and content creator.



Embracing Connections: ECE Department's Memorable Get-Together

The ECE department organized a memorable get-together on August 18th, 2023, bringing together students, alumni, and faculty. This event served as a delightful convergence of past and present, where members of the department celebrated their shared connection. Amidst camaraderie and laughter, the event fostered a strong sense of community while providing an invaluable platform for networking and mentorship. It reinforced the enduring bonds that tie together the department's members, highlighting the importance of collaboration and support within the ECE community.

Barefoot Counselling Session for Faculty

IIIT-Delhi's Well-being Cell organized a session emphasizing the essential role faculty members play in supporting students' mental health and fostering effective communication. Led by Dr. Archana Tyagi, the event facilitated enriching discussions on nurturing a supportive campus environment. Participants actively engaged, gaining practical strategies to enhance their support for students. The session highlighted the importance of faculty involvement in mental health initiatives and emphasized open communication channels.



15th Foundation Day

IIIT-Delhi celebrated its 15th Foundation Day with a series of impactful events uniting the entire community. The day commenced with a Blood Donation camp and free eye checkup, followed by a public lecture by Mr. Apar Gupta, Founder Director of the Internet Freedom Foundation.

The event also featured awards for faculty, officers, alumni, students, and support staff, recognizing their contributions. Captivating performances by renowned artists and students added to the festive atmosphere, highlighting the institute's spirit of unity and collaboration.

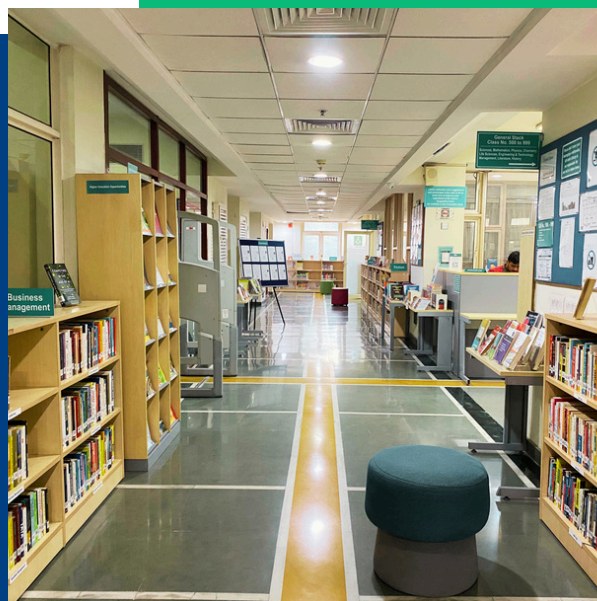


Mathematics Open House

The Department of Mathematics organized an inaugural edition of a one day long Mathematics Open House on November 25, 2023 to essentially showcase research work being carried out by Ph.D. students of the Department. The day began with an overview of the Departmental faculty research work through a 45 minute presentation by the Head of the Department. About 10 Ph.D. students highlighted their work through 20 minute talks over the course of the day. The event also had two plenary talks by highly experienced and renowned Mathematicians Prof. Shanta Laishram of ISI Delhi and Prof. Shobha Madan (retired) of IIT Kanpur. The Open House concluded with a panel discussion titled "Avenues and Opportunities for Mathematical Scientists in Academia, Industry and Beyond" with panelists Dr. Rakesh Kumar Pandey from DRDO, Dr. Viju Ravichandran from Mathworks Inc., and Dr. Subhashree Mohapatra of IIIT-Delhi. The event was attended by around 63 participants who were postgraduate students from the National Capital Region and beyond.

Grammarly Online Workshop

The IIIT-Delhi Library and Information Center conducted an engaging online workshop on Grammarly. The workshop aimed to enhance participants' understanding and proficiency in using Grammarly, a popular writing assistant tool. Speaker, Mr. Binoy Halam, Product Specialist at Total Library Solutions, led the workshop, providing valuable insights and practical tips on leveraging Grammarly effectively for writing tasks. The workshop offered participants the opportunity to learn about Grammarly's features, functionalities, and best practices for improving writing quality.



Book Exchange Week

IIIT-Delhi's Library concluded its successful "Book Exchange Week - Part 4," where faculty, staff, and students enthusiastically participated in donating and borrowing books. The event featured a diverse collection. The primary focus remained on promoting reading enjoyment, with no borrowing costs incurred. Student volunteers and library staff facilitated smooth exchanges throughout the week. The event not only enriched the reading culture on campus but also fostered a sense of camaraderie among participants, reinforcing IIIT-Delhi's commitment to knowledge-sharing and community engagement.



Onam Sadhya Celebrations at IIIT-Delhi

The International Relations Council of IIIT-Delhi recently organized vibrant Onam Sadhya celebrations, showcasing the rich cultural heritage of South India. Students adorned traditional attire, crafted intricate rangolis, and danced joyously to South Indian music, setting a festive atmosphere. The highlight of the event was the Onam Sadhya feast hosted for the faculty and staff, featuring a sumptuous spread of traditional delicacies. The celebrations not only honored the spirit of Onam but also fostered cultural exchange and unity within the IIIT-Delhi community. It was a memorable occasion, showcasing the institute's commitment to embracing diversity and promoting inclusivity.

Book Exhibition in collaboration with the National Book Trust

The Institute's Library, in collaboration with the National Book Trust, India Mobile Library, organized a dynamic One Day Book Exhibition

The National Book Trust (NBT), operating under the Ministry of Education, Government of India, showcased a diverse collection of books catering to various interests and age groups. From fiction to social sciences, medical science to cutting-edge technology, the exhibition offered something for everyone.



InnoHEALTH conference 2023

IIIT-Delhi recently hosted the sixth edition of the InnoHEALTH conference, a flagship event of InnovatioCuris aimed at revolutionizing healthcare through innovation. With over 50 sessions, 300+ speakers, and 2500 participants, the conference provided a dynamic platform for collaboration and knowledge exchange. Highlights included workshops on AI in healthcare and the launch of a clinical validation center. Distinguished speakers discussed topics such as digital health implementation and OneHealth. The event also featured the Young Innovator's Award, recognizing groundbreaking work in healthcare innovation. Overall, InnoHEALTH 2023 celebrated past achievements and laid the groundwork for future advancements in healthcare.



Symposium on Computational Gastronomy

The "Unraveling the Digital Future of Food" Symposium held at IIIT-Delhi successfully explored the intersection of culinary arts and artificial intelligence through Computational Gastronomy. With a focus on big data, machine learning, and AI, attendees learned about food pairing, sustainability, health, and culinary innovation. Distinguished speakers, including chefs and industry experts, shared insights into the science and applications of Computational Gastronomy. The event featured discussions on recipe generation, nutrition, and flavor innovation. Overall, the symposium highlighted the transformative potential of data-driven decisions in reshaping the culinary landscape and fostering sustainability in food practices.

11th International Conference on Big Data and Artificial Intelligence

The BDA 2023 conference, served as a global platform for researchers and industry practitioners to exchange insights on big data and AI. Topics span artificial intelligence, machine learning, storage models, computing paradigms, analytics, and privacy. Participants will discuss redesigning mining algorithms and future research trends. BDA 2023 facilitates the sharing of original research results and practical experiences, fostering collaboration and innovation in the field of data science and artificial intelligence.



ACM India & IIIT-Delhi Workshop on Research Opportunities in Computer Science

The joint workshop hosted by ACM-India & IIIT-Delhi aimed to raise awareness of research opportunities in Computer Science. The event featured talks by leading experts covering Theoretical Computer Science, Computer Systems, Machine Learning, and related areas. Undergraduate and postgraduate students from Computer Science and Mathematics participated, benefiting from insightful discussions and networking opportunities. Talks were held in A-106, R & D Building, with lunch and snacks provided. Attendees received certificates and engaged in valuable interactions with IIIT-Delhi's PhD students. Overall, the workshop successfully fostered interest and awareness in computer science research.



AWL-SSH Third Annual Symposium

The AWL-SSH Symposium, hosted by IIIT-Delhi, delved into the impact of digital technologies on democratic societies, addressing issues of political polarization, distrust, populism, and social inequalities. Scholars explored how technology reshapes the public sphere and necessitates reevaluating ethical and conceptual frameworks. The symposium, part of the AWL-SSH series, aimed to facilitate public discourse on digital technologies and democracy. Held at IIIT-Delhi, attendees could join in-person or virtually. Scholars emphasized the importance of understanding the role of democracy in navigating the complexities of digital technology, aiming to foster awareness and conversation in contemporary societies.

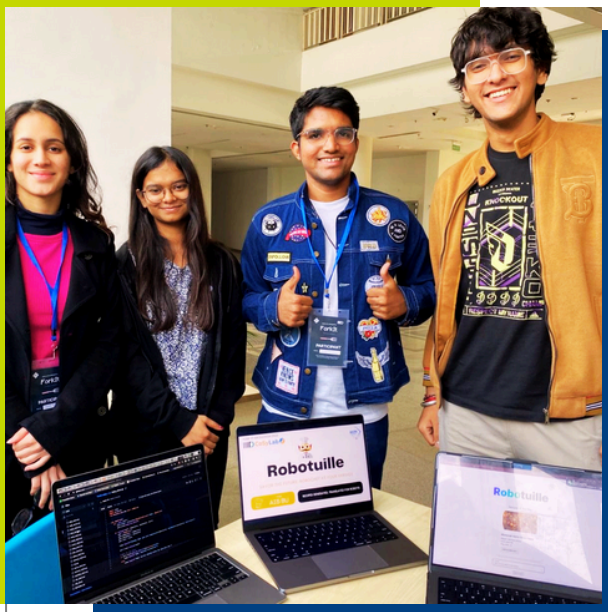
Kohinoor

The students of IIIT-Delhi revived the tradition of 'Kohinoor,' hosting a High tea for final year students, faculty, and staff members. This cherished event, reinstated after the pandemic hiatus, offered an evening of engaging conversations, delectable treats, and enjoyable activities. It served as a gesture of appreciation for the unwavering support and guidance extended by the faculty and staff during the students' academic journey. 'Kohinoor' provided a platform for students to express gratitude and strengthen bonds within the IIIT-Delhi community.



Paint with Puppies' workshop

In an ongoing commitment to promoting mental health and well-being on campus, the Well being cell at IIIT-Delhi organized 'Paint with Puppies' workshop on 28th November 2023. This event offered a unique experience that combined creativity with canine companionship where adorable puppies scampered around, creating an atmosphere of pure delight as the participants unleashed their artistic flair onto canvas. The event also raised awareness about pet adoption.



Fork-It Hackathon

The Fork-It Hackathon, a collaborative effort by Association for Computing Machinery, IIITD Chapter (supported by the Department of Biotechnology, Govt. of India) and Complex Systems Laboratory, brought together teams from all across India to explore CoSyLab's advanced APIs. Held at IIIT-Delhi, participants converged for an overnight coding session. Fueled by the APIs' potential, teams worked on diverse projects, from AI recipe generators to food quality assessment tools. Culminating in presentations judged by experts, the hackathon showcased the fusion of technology and culinary arts.

Diwali Celebration

To celebrate Diwali, the institute administration organized events like Rangoli & Diya Decoration to commemorate the festival of lights. Faculty and staff enthusiastically participated, showcasing their creativity in Rangoli & Diya designs and traditional attire. Awards were presented for the best designs and attire, fostering a sense of celebration and camaraderie within the IIITD community. The event brought together individuals from diverse backgrounds, united in embracing the festive spirit and strengthening bonds. Overall, it was a joyous occasion, reflecting the vibrant culture and unity of the IIITD community.



Research Week with Google

A group of faculty members from IIIT-Delhi were recently invited to attend the 'Research Week with Google' organized by Google Research India from February 1st to 3rd in Bengaluru. IIIT-Delhi students from B.Tech., M.Tech., and Ph.D. programs were also selected to attend the event.

This program offered a platform, led by top experts, to explore cutting-edge ML techniques while also addressing their limitations and critiques. It featured a three-day lineup of research lectures, panels, and discussions led by esteemed researchers. They discussed advanced research concepts, pivotal papers, and ongoing debates, providing insight into the latest developments in the field.

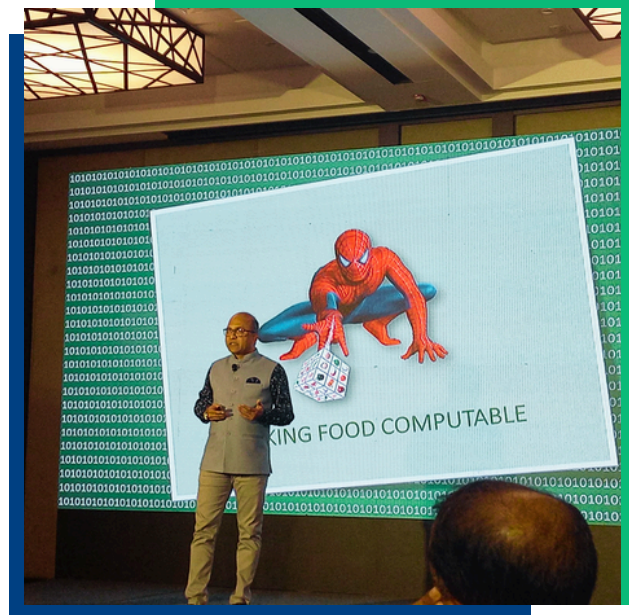


Invited Lecture - ACM India Webinar Series

The ACM India Webinar Series on Education featured Prof. Pankaj Jalote, Founding Director and Distinguished Professor at IIIT-Delhi, who delivered an insightful talk on 'Impact of GenAI on Higher Education'. The event explored how Generative Artificial Intelligence (GenAI) could transform educational practices and the learning experience across various levels of higher education. Prof. Jalote's discussion served as a catalyst for attendees to actively participate and share their views on the potential impacts of GenAI. The webinar successfully fostered a dynamic exchange of ideas, highlighting the importance of collaborative discourse in shaping the future of education.

Invited Lecture - Amuseum Talk

Prof. Ganesh Bagler, faculty at IIIT-Delhi captivated the audience with his insightful Amuseum Talk on "Blending Food with Artificial Intelligence" at the Global Science Festival Kerala. Held on 28th January 2024 at the Bio 360 Life Sciences Park in Thiruvananthapuram, the event showcased how AI can revolutionize culinary practices. Attendees were fascinated by the innovative fusion of technology and gastronomy, highlighting the future potential of this interdisciplinary approach.



Invited Lecture - 9th Smart Cities India expo

Prof. Pravesh Biyani, Faculty at IIIT-Delhi and Head of the Centre of Excellence on Sustainable Mobility, delivered an insightful talk at the 9th Smart Cities India Expo held at Pragati Maidan, New Delhi. His session, which took place at 11:00 AM, focused on sustainable mobility solutions for urban environments. Dr. Biyani's expertise and innovative ideas on enhancing urban transportation and sustainability were well-received by attendees, contributing significantly to the discourse on smart city development.

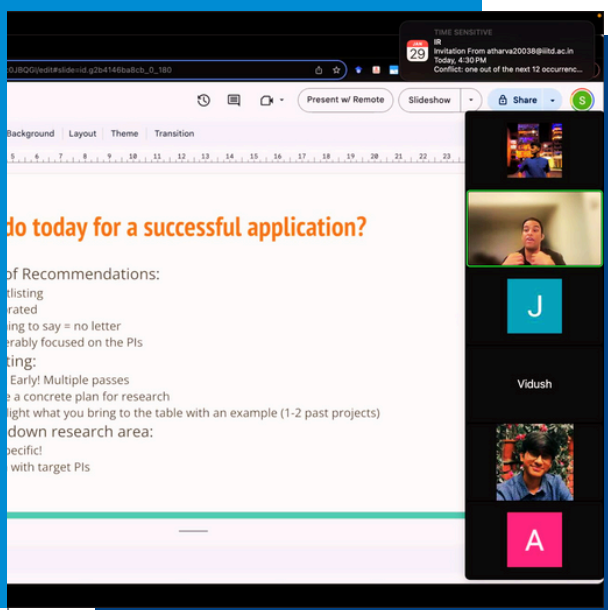


Invited Lecture - Parikrama Festival of Science on 'AI for Good'

Prof. Ganesh Bagler, faculty at IIIT-Delhi delivered an engaging session on "Culinary Code: Savouring the Future with AI" at the Parikrama Festival of Science. The event, held from 23rd to 25th January 2024 at the National Centre for Biological Sciences, Tata Institute of Fundamental Research, showcased the potential of AI in transforming culinary arts. Prof. Bagler's talk highlighted how artificial intelligence can revolutionize food pairing, recipe generation, and nutrition, offering a glimpse into the future of gastronomy. The session was well-received, sparking insightful discussions among attendees about the intersection of AI and culinary innovation.

Digital India futureLABS Summit 2024

IIIT-Delhi hosted the Digital India futureLABS Summit 2024 on campus, featuring a warm welcome by Professor Ranjan Bose, Director of IIIT-Delhi. The summit was graced by the presence of Shri Rajeev Chandrasekhar, the Hon'ble Minister of State for Electronics & Information Technology, Skill Development & Entrepreneurship, and Jal Shakti from the Government of India, along with other distinguished guests. The event facilitated discussions on the future of digital innovation and its impact on various sectors.



Alumni Talk-Higher Education Pathways

The Office of Alumni Affairs and the Alumni Committee (Student Council) at IIIT-Delhi organized an insightful online session titled 'Higher Education Pathways,' featuring alumna Sanchit Sinha from the Class of 2019. Sanchit, currently pursuing a Ph.D. in Computer Science at the University of Virginia, focuses his research on the explainability of Deep Neural Networks (DNNs) and the design of inherently interpretable DNNs, with an emphasis on trustworthiness and robustness.

During the session, Sanchit shared his experiences in higher education, highlighting both the challenges and opportunities of pursuing a Ph.D. in Computer Science. He provided valuable insights on preparing for a successful career in academia or industry research, including tips on securing internships and navigating advanced studies.



Workshop - Field and Notes

The Ethnography Lab at IIIT-Delhi hosted a comprehensive two-day workshop titled 'Field and Notes' from January 17th to 18th, 2024. The event aimed to deepen participants' understanding of ethnographic research methodologies. Esteemed scholars including Dr. Aswin Varghese (O.P. Jindal Global University), Prof. Ravinder Kaur (Indian Institute of Technology, Delhi), Prof. Maitrayee Chaudhuri (Jawaharlal Nehru University), Prof. P. Vigneswara Ilavarasan (IIT Delhi), and Prof. Satish Deshpande (University of Delhi) led sessions covering various facets of ethnographic inquiry, such as Fieldwork Observation, Ethnographic Writing, and Ethnographic Analysis. The workshop provided a valuable platform for interdisciplinary learning and skill development in ethnography.

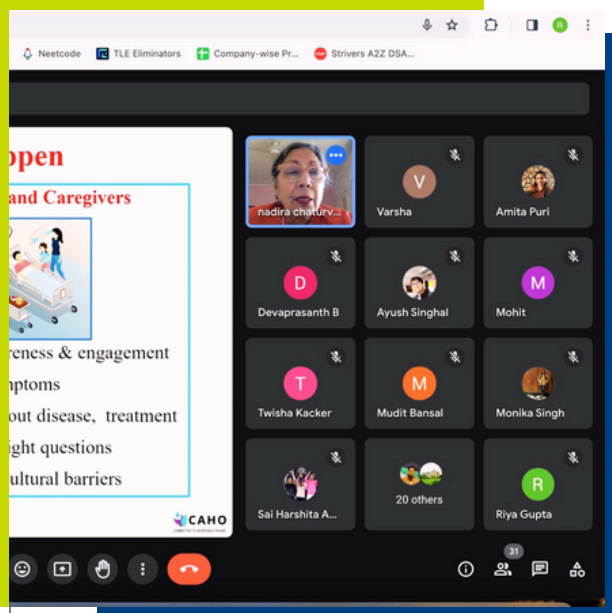
Annual Book Exhibition

The Annual Book Exhibition at IIIT-Delhi, organized by the Library and Information Center, concluded successfully, drawing enthusiastic participation from students, faculty, and book enthusiasts. Spanning a diverse range of genres and topics, the exhibition provided attendees with an opportunity to explore an array of captivating reads. Held near the Lecture Hall Complex on campus, the event fostered a vibrant atmosphere of intellectual curiosity and discovery. As the curtains close on this year's exhibition, participants depart with newfound knowledge and inspiration, eager to continue their literary journey.



Digital Delhi Conclave V

The Digital Delhi Conclave V with theme 'Justice for All' concluded with transformative discussions. From engaging panels exploring the intersection of social justice and the digital sphere to thought-provoking workshops and enlightening keynote addresses, the event showcased a diverse array of ideas and initiatives aimed at shaping a more equitable future for all. Key topics included the empowering role of social media in amplifying voices for inclusivity, AI's transformative impact on legal frameworks, and the imperative of just institutions in AI governance. Notable keynote speaker, Justice S. Muralidhar (Retd.), shared invaluable insights on leveraging technology to enhance justice systems, highlighting the transformative journey of technology in India's judicial system.



Your Health Your Responsibility

The webinar titled "Your Health Your Responsibility: Empower Yourself to Reduce Medical Harm," jointly organized by the Well-being Cell and Patients for Patient Safety Foundation (PFPSF-India), was held on February 16th, 2024. The event was highly successful, featuring insightful discussions on patient safety, avoidable medical harm, and the vital importance of individual engagement in healthcare. Attendees gained valuable knowledge about different types of harm throughout the healthcare journey, explored barriers and benefits of engagement, and learned about their role in safeguarding their well-being. Special thanks to Prof. Nadira Chaturvedi, Co-Chair of Patients for Patient Safety Foundation (India), for sharing her expertise and insights.

Dilli Dreams' with Aditi Rao

In tandem with Digital Delhi Conclave V, IIIT-Delhi hosted a poetry workshop titled 'Dilli Dreams' with Aditi Rao, author of "The Fingers Remember" and "A Kind of Freedom Song." The workshop aimed to broaden perspectives on inclusivity while considering technical solutions for urban coexistence in Delhi. Emerging from the city's challenges, notably its treatment of migrant laborers during the pandemic, participants were encouraged to reflect on the theme of belonging and envision a future where technological advancements foster inclusivity in urban spaces.



I draw, hence I am' with Artist Siddhesh Gautam

As part of Digital Delhi Conclave V, IIIT-Delhi hosted an art workshop titled 'I draw, hence I am' with mixed-media Artist Siddhesh Gautam, also known as 'Bakery Prasad' on Instagram. The workshop aimed to utilize artistic mediums to prompt reflection and awareness about individual history, decisions, and behaviors. Divided into two phases, participants explored self-portraits of artists worldwide, delving into socio-cultural burdens, and then created their own self-portraits. Through self-portraiture, the workshop aimed to bridge personal and socio-cultural identities, fostering a collective sense of justice and understanding.



Photography Workshop and exhibition: 'Seeing Silicon Valley'

IIIT-Delhi organized a Photography Workshop as part of Digital Delhi Conclave V, featuring renowned Rhode Island photographer and artist Mary Beth Meehan. Titled "Seeing Silicon Valley: Using Photography to Peer Behind the Myth," the workshop provided attendees with a unique opportunity to explore the intricate realities of Silicon Valley. Mary Beth Meehan, celebrated for her nuanced storytelling through imagery, text, and public installations, guided participants in challenging conventional perceptions about racial, cultural, and social divides in the region. By showcasing photographs from her book "Seeing Silicon Valley," Mary offered a compelling glimpse into her collaborative process with subjects, adding depth and empathy to the narrative.

Screening of 'Chaityabhumi' Documentary

IIIT-Delhi screened the documentary "Chaityabhumi" as part of the #DigitalDelhiConclave. Directed by Somnath Waghmare, the film explored Mumbai's Chaityabhumi and its pivotal role in the Dalit movement. The documentary highlighted Dr. Babasaheb Ambedkar's anti-caste struggle and the annual tributes at Chaityabhumi, contrasting them with the indifference of Mumbai's media and elite. The screening was followed by a discussion with the Director.



Story Workshop - Decoding and Creating Context: Inclusive Institutions

Story Workshop led by Reshma Tonse and Prakash Sharma, co-founders of 1001 Stories. Titled "Decoding and Creating Context: Inclusive Institutions," was organised. The workshop delved into the significance of context in shaping perceptions and driving influential narratives within institutions. Participants explored how individual realities are influenced by unique experiences and backgrounds, emphasizing the importance of diverse viewpoints in fostering inclusivity. A central focus was on effective communication of perspectives, with Reshma and Prakash sharing techniques to articulate viewpoints that resonate and foster empathy.



enord Hosts Drone Day

enord, a startup incubated at IIITD Innovation & Incubation Center, orchestrated Drone Day, uniting leaders, inventors, scientists, policymakers, and AI specialists. Dr. Ashok Kumar Solanki, Vice President of Enord and former Registrar of IIIT-Delhi, commenced the event with opening remarks. Prof. Ranjan Bose and Shri Naresh Priyadarshi also addressed the audience, with Rear Admiral Sanjay Misra VSM (Retd.) as the esteemed chief guest.

The day's highlight was the unveiling of Inspector Lite, an AI on Edge Drone developed by Enord. Additionally, a Memorandum of Understanding was inked between Enord and Aryavart Technologies Development Pvt Ltd, symbolizing a significant collaborative venture.

ECE Department's Industry Day

The ECE department hosted Industry Day on January 13, 2024, facilitating direct interaction between industry partners, faculty, students, and research scholars. The event aimed to inspire practical research endeavors and foster long-term collaborations. Esteemed speakers from organizations such as TCS Research, CarPL AI, and Addverb delivered insightful talks, enriching attendees with valuable perspectives and knowledge. Industry Day served as a catalyst for meaningful dialogue and the exchange of innovative ideas, propelling forward the realms of research and industry collaboration within the ECE department.



SPIC MACAY IIITD Chapter's Inaugural Event

SPIC MACAY IIITD Chapter launched its inaugural event, a mesmerizing evening of cultural immersion, headlined by the renowned Sitar virtuoso Pt. Shubhendra Rao, accompanied by tabla maestro Sh. Zuheb Ahmed Khan. Attendees were transported on a transcendent musical journey, as the melodic strains of the Sitar and tabla resonated through the venue, crossing boundaries and speaking the universal language of harmony and expressiveness.

The event marked a celebration of cultural diversity and artistic excellence, leaving a lasting impression on all who were fortunate enough to experience the enchanting melodies and rich cultural tapestry woven by Pt. Shubhendra Rao and Sh. Zuheb Ahmed Khan.



Tribhanga 2.0

Tribhanga 2.0, the eagerly awaited production showcase by IIIT-Delhi's Machaan, MadToes, and Muse clubs, lived up to its hype, delivering an evening of mesmerizing performances that left the audience spellbound. From gripping dramas to energetic dance routines and stunning fashion displays, the event showcased the immense talent and creativity of IIIT-Delhi's student body. Each performance was met with thunderous applause, reflecting the audience's appreciation for the dedication and hard work put in by the performers. Attendees were treated to a vibrant tapestry of talent, with each act leaving a lasting impression. Tribhanga 2.0 was not just a showcase of artistic excellence but also a celebration of the spirit of collaboration and camaraderie that defines IIIT-Delhi's club culture.

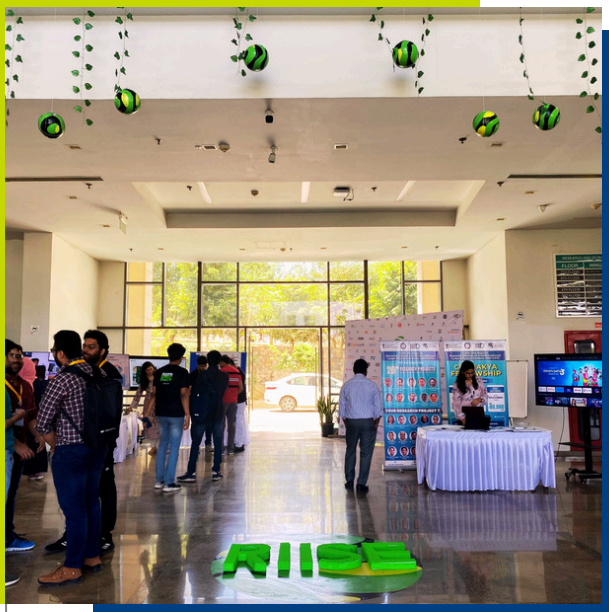
IIIT-Delhi Sports Day Unites Faculty and Staff

The Sports Council of IIIT-Delhi recently hosted a lively Sports Day for faculty and staff, promoting values of camaraderie and fitness. The event featured a variety of sports and games, including tug of war, badminton, table tennis, cricket, and a spirited lemon race. Beyond competition, the day aimed to strengthen bonds and encourage a healthy lifestyle within the IIITD community. It provided a refreshing opportunity for participants to come together, enjoy friendly competition, and celebrate the unique spirit of IIIT-Delhi.



Inauguration of ICA India Chapter

IIIT-Delhi inaugurated the India Chapter of the International Communication Association (ICA), a pivotal moment for communication studies in India. Prof. Noshir Contractor and Mr. Kiran Karnik presided over the event, highlighting the significance of communication research. Led by Professor BP Sanjay from Manipal Institute of Communication, the chapter aims to foster interdisciplinary dialogue and innovative insights. With a diverse leadership team, including Professors Vinod Pavrala, Usha Raman, and Padma Rani, the chapter promises to propel communication research to new heights, both nationally and globally, shaping the discourse and practice in this dynamic field.



RIISE X E-Summit 2024

The recently concluded RIISE X E-Summit 2024 at IIIT-Delhi was a resounding success, showcasing the institute's commitment to research and innovation. Prof. Ranjan Bose welcomed esteemed guests Mr. Jaswinder Chadha and Mr. Anku Jain, who shared insights into the symbiotic relationship between research and startup culture. Mr. Chadha praised IIIT-Delhi's endeavors in AI, Coding, Robotics, and Quantum Computing, urging innovators to leverage India's strengths. Mr. Jain motivated young researchers to push boundaries. Informal sessions further explored IIITD's vision, research initiatives, and collaborations. RIISE X E-Summit 2024 exemplified academia-industry synergy, driving innovation for India's future.

Blood Donation Camp

The NSS IIIT-Delhi, in collaboration with RIISE, conducted The Blood Donation Camp on 15th and 16th March 2024, which was a great success. The camp saw an overwhelming zeal and unparalleled enthusiasm from the students, faculty members and staff.

The NSS IIIT-Delhi had also set up a counseling desk for the people to share their medical history, along with a medical check-up desk, for people to get knowledge about their blood group and hemoglobin. Mandatory refreshments, along with goodies like keychains, were also given to the donors after the donation.



Global University Fair

IIIT-Delhi's Placement & IOP office organized the "Global University Fair" on March 12, 2024, providing students with valuable insights into international higher education opportunities. Representatives from esteemed institutions worldwide, including Marist College, University of Warwick, and University of Cambridge, among others, offered overviews of their universities and engaged in a Q&A session with students. The fair served as a platform for IIITD students to gain firsthand knowledge, pose questions, and explore diverse options for their academic journey.



Workshop on Work-Life Balance

IIIT-Delhi's Well-being Cell organized a tailored workshop addressing the common challenge of work-life balance for institute officials. Led by Clinical Psychologist Ms. Archita Sobti, the session commenced with an insightful video highlighting the significance of balance and common obstacles. Through engaging activities, participants identified key life aspects and devised effective strategies. Practical tools like the Eisenhower matrix for time management were discussed, alongside interactive sessions on communication and boundary-setting. Discussions on emotional well-being and mindfulness practices further enriched the session. The workshop fostered open dialogue and equipped officers with actionable insights to navigate work-life integration effectively.

Invited Lecture - International Patients' Union Conference

Dr. Tavpritesh Sethi, an expert at the intersection of computer science and healthcare, addressed the International Patients' Union Conference 2024. With experience at Stanford University and as a Sigma Xi Fellow, Dr. Sethi specialized in early warning systems for ICUs and COVID-19 challenges. At the time, he was engaged in a WHO Alliance-sponsored initiative, focusing on AI-driven decision support systems for Mohalla Clinics. Attendees had the opportunity to explore Dr. Sethi's insights on Generative AI and patient care.



Invited Lecture - National Conference on Startup and Entrepreneurial Culture

Prof. Pankaj Vajpayee, Dean of Corporate Relations & Entrepreneurship at IIIT-Delhi, assumed the role of Technical Session Chair at a significant national conference titled "NURTURING STARTUP AND ENTREPRENEURIAL CULTURE IN VIKSIT BHARAT@2047: CONQUERING CHALLENGES AND EMBRACING OPPORTUNITIES." Sponsored by the Indian Council of Social Science Research (ICSSR) Northern Regional Centre (NRC) and hosted by PGDAV College (Evening), University of Delhi from March 8th to 9th, the conference aligned with India's strategic vision to become a developed nation by 2047. It aimed to empower aspiring entrepreneurs, innovators, and industry professionals, contributing to India's development mission.





Public Lecture at Chulalongkorn University

Dr. Gaurav Arora, faculty member at IIIT-Delhi, delivered a captivating lecture titled 'Heterogeneous crop yield impacts of agricultural credit- Evidence from India' at the Faculty of Economics, Chulalongkorn University in Bangkok, Thailand. In his engaging presentation, Dr. Arora explored the nuanced impacts of agricultural credit on crop yields in India, drawing upon empirical evidence to shed light on this vital aspect of agricultural economics. The lecture sparked meaningful discussions among attendees and provided valuable insights into the complex relationship between credit access and agricultural productivity.

Attendees appreciated Dr. Arora's depth of knowledge and his ability to present complex concepts in an accessible manner.

India EMBO Lecture Course

The India|EMBO Lecture Course brought together national and international experts to share novel research trends—beyond transcription—in the regulation of healthy ageing and age-associated diseases. The research presentations ranged from molecular explorations and genetic screening to whole-organismal phenotypic assessment. The topics covered provided a balanced view on post-transcriptional mechanisms involved in the regulation of ageing and age-related diseases, such as cancer, cardiovascular and neurodegenerative diseases, and included RNA-binding proteins, non-coding RNAs, proteostasis, AI, omics, and systems biology approaches.



50th Kaggle Days Meetup Delhi NCR

IIIT-Delhi hosted the 50th Kaggle Days Meetup Delhi NCR, an event that inspired, educated, and connected data enthusiasts across the region. The 50th Meetup featured a groundbreaking session on Computational Gastronomy: A Data Science Approach to Food, presented by Prof. Ganesh Bagler, a pioneer in the field and Director at the Complex Systems Laboratory, IIIT-Delhi. Held on June 22nd, 2024, at the Indraprastha Institute of Information Technology, Delhi, the event included an enlightening talk where Prof. Bagler delved into how data science is revolutionizing our understanding of food. Attendees discovered the fascinating intersection of culinary arts and data science and learned how computational methods are being used to analyze and innovate in the gastronomic world.



Second International Conference on Agriculture-Centric Computation

The Second International Conference on Agriculture-Centric Computation was successfully held, providing a forum for researchers working at the intersection of agriculture and computing to share their results. The accepted papers were published in the Springer CCIS book series. Original research papers were invited on topics such as IoT, precision agriculture, crop-yield prediction, remote sensing, datasets, and agriculture data analysis using AI/ML techniques. The conference was organized jointly by IIIT-Delhi and Indian Institute of Technology, Ropar at IIIT-Delhi, and the proceedings of that conference are available on Springer CCIS.

Workshop on "Advances in Optical Communications"

A workshop on "Advances in Optical Communications" was organized from June 18th to June 21st, 2024. This workshop targeted students, researchers, and industry professionals interested in optical communication and networks, focusing on capturing various aspects within this field. Several veterans from industry and academia shared their valuable insights. The workshop aimed to help attendees understand the architecture of future optical communication and network infrastructure, as well as associated cross-layer areas such as network management, planning, and security.



Workshop on Economics and Computation

IIIT-Delhi successfully conducted a Workshop on Economics and Computation on 26th and 27th April, 2024 sponsored by Google Research.

The workshop brought together some of the leading academicians in Economics and Computer Science for a series of talks. The keynote talks were delivered by Professor Arunava Sen, Indian Statistical Institute (Delhi) and Professor Sandeep Juneja, Tata Institute of Fundamental Research (TIFR) & Ashoka University. Several scholars from institutes and universities in and outside Delhi participated in the workshop.



Talk on Advanced Antenna Technologies

The ECE Department organized a talk by Dr. Chinmoy Saha, Professor in the Department of Avionics at the Indian Institute of Space Science and Technology, Thiruvananthapuram, on May 31, 2024. The talk was titled "Challenges, Design, and Realization of Multifunctional Antennas (MFA) and Photo Conductive Antennas (PCA) & Associated System Components for Microwave, mm-Wave, and THz Applications."

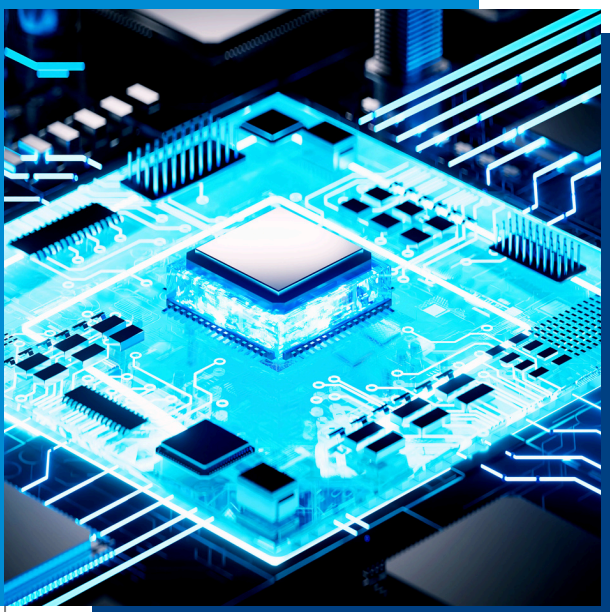
Design Summer School '24 at IIIT-Delhi

The Design Summer School '24, organized by the Department of Human-Centered Design and the Center for Design & New Media at Indraprastha Institute of Information Technology, Delhi, took place from May 20th to 24th, 2024. The event aimed to immerse participants in the dynamic field of HCI and user experience design. Over five days, attendees engaged in hands-on projects through practical sessions, workshops, and studio projects. The program also covered niche areas within HCI, such as Game + Animation Design, XR (AR, VR & MR), and Human-Computer Interaction with AI.



Webinar on The Fourth Industrial Revolution

The IIITD Library conducted a webinar titled "Eight Vital Characteristics of The Fourth Industrial Revolution," presented by Dr. Alok Aggarwal, CEO of Scry AI. The webinar aimed to provide insights into the key features that define the current phase of technological advancement and its impact on various industries. Dr. Aggarwal, an expert in the field, shared his knowledge and experience, highlighting the transformative effects of emerging technologies such as artificial intelligence, blockchain, IoT, and advanced robotics.



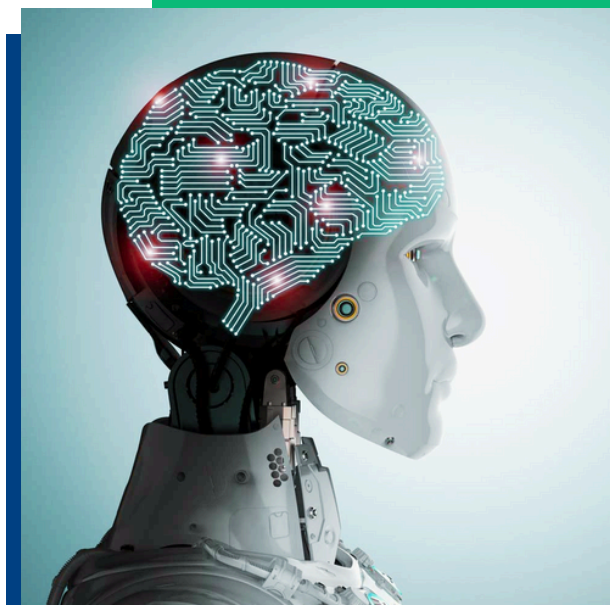
First Mathematics Summer Program

The Department of Mathematics at IIIT-Delhi conducted its first Mathematics Summer Program, designed for students who had studied mathematics for two or more years at the undergraduate or postgraduate level. The program featured crash courses on selected topics in Algebra, Analysis, Geometry, and Topology, taught by experts in these fields. Participants engaged in problem-solving sessions and group discussions, enhancing their understanding through collaborative learning. The program also provided an opportunity for attendees to network with IIIT-Delhi faculty members, deepening their expertise in mathematics. The summer program was spread over 12 days spanning two weeks with intensive sessions from 9.30 am to 5.00 pm. This inaugural program involved participation of around 50 external students selected from a pool of 400 applicants.



Workshop on "Image Segmentation"

ECE department, organized a hybrid workshop on "Image Segmentation" from June 10th to 14th, 2024, at IIIT-Delhi. The 5-day workshop combined theoretical sessions on various segmentation models and practical sessions using PyTorch, aimed at bridging the gap between theory and application. It was designed for data scientists, researchers, and tech enthusiasts, offering a comprehensive understanding of image segmentation techniques from basic to advanced levels. Participants paid a registration fee of INR 236 and accessed the online link upon registration.



International Day of Yoga

IIIT-Delhi celebrated International Day of Yoga with a series of engaging activities. The festivities began with an inspiring Yoga Asanas and Pranayama session early in the morning. Participants then took on the Yoga Fitness Challenge, pushing their limits and showcasing their strength through dynamic exercises that enhanced physical fitness and flexibility. The celebration continued with a mesmerizing fusion performance of Bharatanatyam, Kathak, and Yoga, followed by an enchanting yoga display. The event also featured a Rhythmic Yoga Performance, blending creativity and physical expression. The day was a truly immersive and enriching experience for everyone involved.

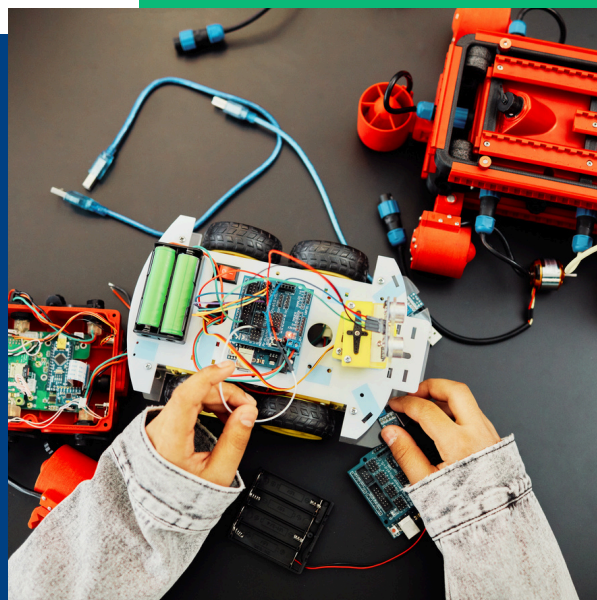


Summer Camp 2024

IIIT-Delhi held the inauguration ceremony of its Summer Camp 2024 with Mr. Anand Kumar, Founder and Teacher at Super 30, as the Chief Guest and Keynote Speaker. The Summer Camp, initiated by IIIT-Delhi students, offers a unique blend of education and entertainment for students from government schools. The camp aims to provide an enriching environment where participants can learn, explore, and have fun while building their confidence, aspirations, and skills. Through engaging activities, workshops, and sessions, the camp fosters curiosity and a love for learning, helping young minds develop into well-rounded individuals ready to face future challenges with confidence and enthusiasm.

First Robotics Summer School

The Institute Innovation Council (IIC) at IIIT-Delhi and the IIITD Innovation & Incubation Center, in collaboration with Robify, hosted the inaugural Robotics Summer School from June 25th to 27th at IIIT-Delhi, Okhla Phase 3. The workshop featured a comprehensive program with hands-on projects, collaborative sessions, and exciting competitions. Participants engaged in step-by-step learning using industry-standard equipment, offering a fantastic opportunity to immerse themselves in the world of robotics.



Gender Sensitization and PoSH Act Training for Ph.D. Scholars

The Gender Sensitization and PoSH Act Training for Ph.D. Scholars, organized by the Internal Complaint Committee (ICC) at IIIT-Delhi, was successfully completed. The session featured an insightful talk by Ms. Soumya Baniwal, Founder & CEO at Benevo, on creating a respectful and inclusive academic environment. The training included interactive sessions that fostered active discussions and activities, providing scholars with essential knowledge and skills in gender sensitization and PoSH Act compliance. This initiative highlights IIIT-Delhi's commitment to maintaining a culture of respect, equality, and safety within the academic community. The engagement of all participants was notable, reflecting the effectiveness of the training.

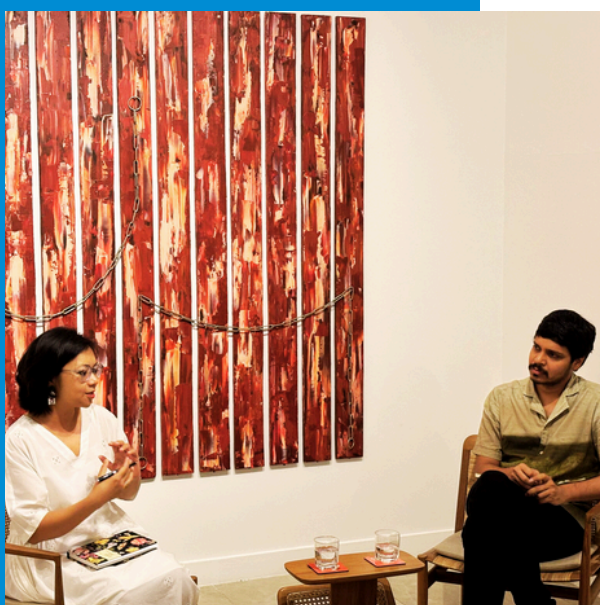
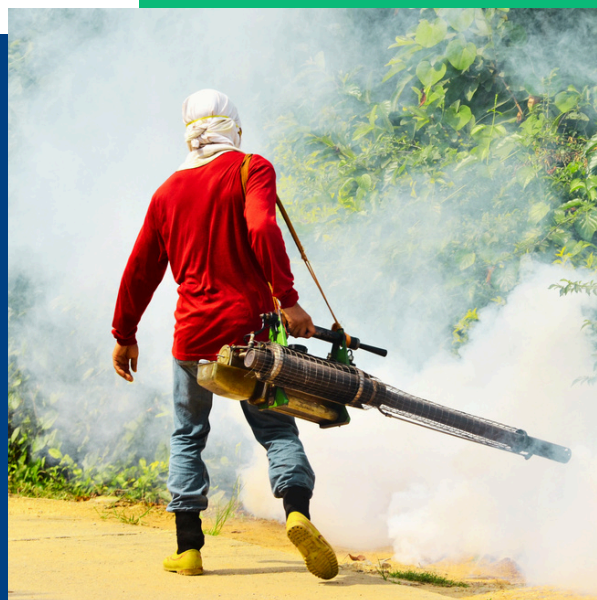


IIIT-Delhi Shines at ALL INDIA DIC MEET 2024

IIIT-Delhi's Design Innovation Center participated in the ALL INDIA DIC MEET 2024, held at Indian Institute of Technology Hyderabad. The team, led by Dr. Alok Nikhil Jha, presented a range of prototypes, including inventive games developed by students under Dr. Richa Gupta's supervision. The event also featured technologies from startups such as Stay Fit by Dr. Jainendra Shukla and Dr. Rajiv Ratn Shah, enord, and ScrapUncle. The projects received positive feedback, and the recognition from Prof. PVM Rao, the DIC Coordinator from IIT Delhi, was particularly noteworthy. The participation provided a valuable opportunity to showcase IIIT-Delhi's innovations and gain insights from peers.

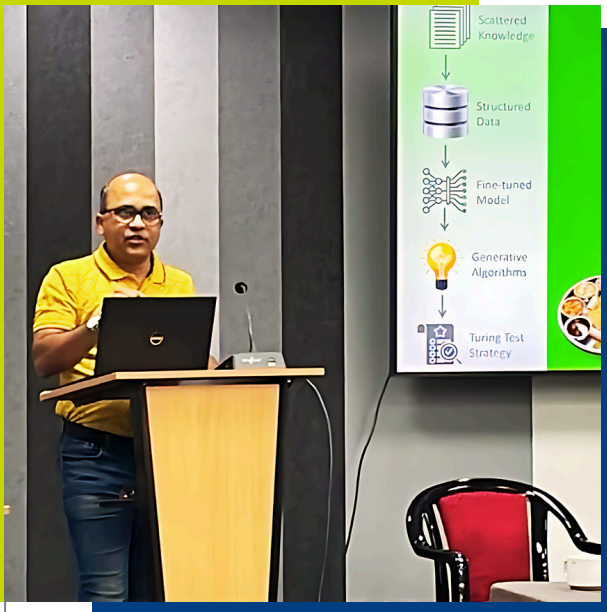
National Dengue Day Observed

The Public Health Department (Central Zone) of the Municipal Corporation of Delhi, in collaboration with Absolute Human Care Foundation and IIIT-Delhi, observed National Dengue Day to raise awareness about the viral infection transmitted by mosquitoes. The event, held at IIIT-Delhi last week, was themed 'Connect with Community, Control Dengue,' serving as a crucial reminder for individuals and communities to adopt preventive measures against dengue.



Dr. Soibam Haripriya Responds to Chris Basumatary's Exhibition

Dr. Soibam Haripriya, Faculty at IIIT-Delhi and a poet, was invited to Chris Basumatary's ongoing exhibition titled "I Have So Much Poetry Inside Me, but It Is in the Wrong Language," held at Shrine Empire until May 11, 2024. Dr. Haripriya's response, titled "In What Language Shall I Tell You?" was presented at a special event organized at Shrine Empire and curated by Srinivas Aditya Mopidevi on May 9th at 5:00 p.m. The session offered a unique interaction and insight into the exhibition's themes.



Prof. Ganesh Bagler Speaks at Responsible AI Workshop

Prof. Ganesh Bagler, faculty at IIIT-Delhi delivered a talk and participated in a panel discussion on the "Role of Responsible AI in Sustainability, Environment, Agriculture, and Circular Economy" at the Responsible AI Workshop. The event, organized by the IIT Alumni Centre in Bangalore on May 4, 2024, explored the intersection of AI and critical global issues. Prof. Bagler's insights contributed to a rich dialogue on how AI can drive sustainable solutions and innovative approaches across various sectors.

ECE Department Hosts Electronics Design Carnival

The ECE Department at IIIT-Delhi organized a two-week Electronics Design Carnival from July 1st to 12th, 2024. Led by Dr. Subramanyam V and his team, the event, supported by technical partners such as Robify, Keysight Technologies, and IEEE Student Branch IIIT-Delhi, offered hands-on training in electronics system design. Participants explored circuit design, PCB layout, and rapid prototyping with 3D printing, gaining valuable skills and insights into the latest trends in electronics.



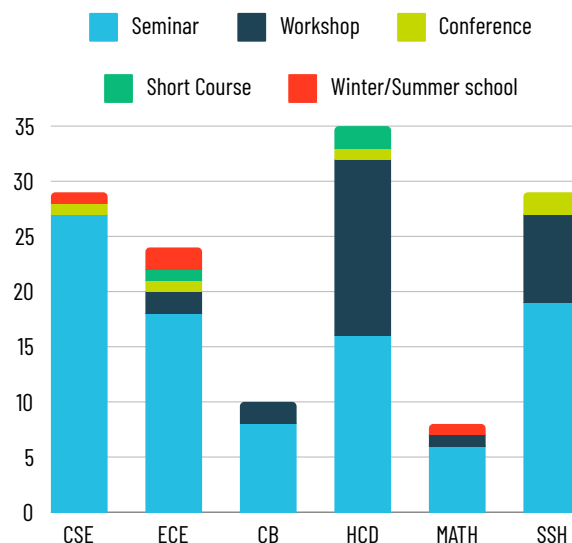
6G Workshop

The "Unlocking the Potential of 6G: Technologies and Challenges" workshop, organized by the Wireless and Radio Communication (Wirocomm IIITD) Research Group and the Center of Excellence on LiFi (COE LiFi) at IIIT-Delhi, took place on July 19th and 20th, 2024. The workshop featured theoretical sessions and hands-on lab experiments on topics such as Terahertz Topological Photonic Integrated Circuits, Dual Powered Cellular Base Stations, and Vehicular Communications. It included demonstrations of OTA Measurements, Solar Communication, LiFi, and RIS-enabled 6G setups. Notable speakers included Emil Björnson, Yong Liang Guan, and others. Participants received e-certificates and a registration kit, with refreshments and optional hostel accommodation provided.

Department Events

To facilitate collaboration with other scientists and researchers, the departments and the centres regularly organize various seminars and workshops on campus. The departments also organise the students' panels, screenings, and other engaging activities. IIIT-Delhi organized many conferences, seminars, workshops, and short courses in 2023-24.

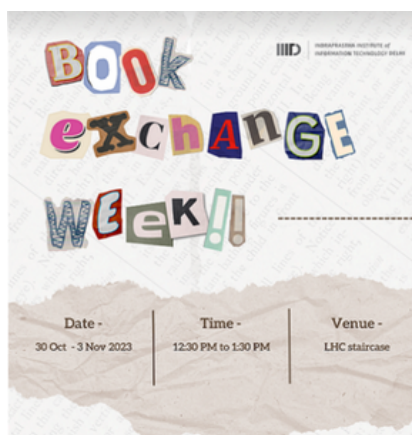
The breath of the activities organised by the departments covered a wide range of topics including, but not limited to: include Democratizing programming via end-user programming; Investigating cell-fate paradigms during development using single-cell genomics; Quantifying the vulnerability of agricultural Households in India to Extreme Weather Events; Learning with Human-Computer Interactions; a workshop on '3D Scanning; Effective Scientific Communication & Illustration; Conundrums of Class, Caste, and History: Urban Hindu Nadar Identities in South India'; The Philosophy of the Novel and the Novelist's Craft' and more. The figure on the right gives the number of events organized by the departments and details are available at : iiitd.ac.in/ar/appendices24.



Library Outreach Activities

The Library and Information Center of the Institute conducts many informative events throughout the year. The events invite resource persons from the Institute and external domain experts to deliver talks. In the last year, the Library and Information Centre organized the following events:

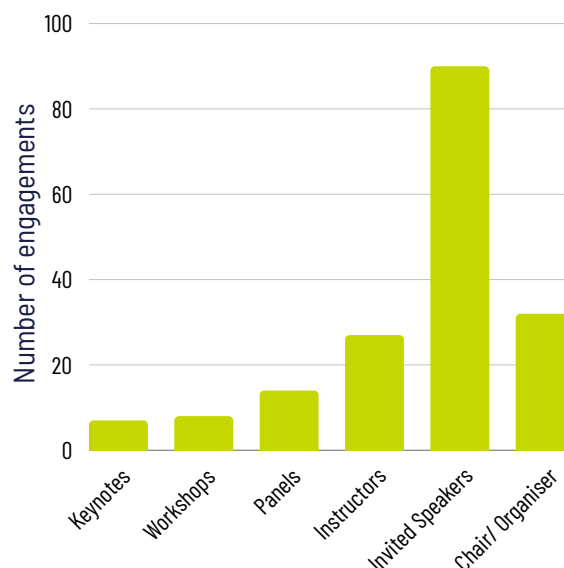
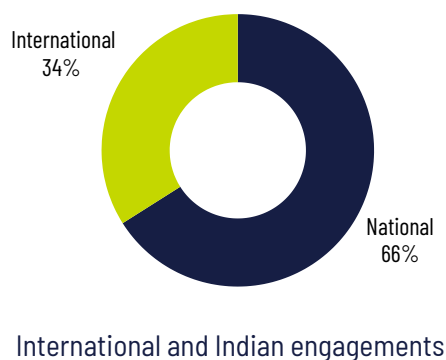
- Library orientation for newly joined Ph.D. and M.Tech. students
- Webinar on Turnitin plagiarism detection software
- Webinar on Eight Vital Characteristics of The Fourth Industrial Revolution
- Book Exchange Week
- Library session for the department of SSH
- Online Workshop on DrillBit Plagiarism Detection Software
- Annual Book Exhibition 2024
- Library session for the department of CSE
- Webinar on Using the Last Mile with Public Transport for Whom to Office Commute
- Webinar on Higher Education Opportunities
- Library session for the department of Mathematics
- Library session for the department of ECE
- Book Exchange Week
- Online Workshop on Grammarly
- Mobile Library Book Exhibition in collaboration with National Book Trust
- Library orientation for newly joined B.Tech. students



Faculty Outreach Activities

Invited Talks

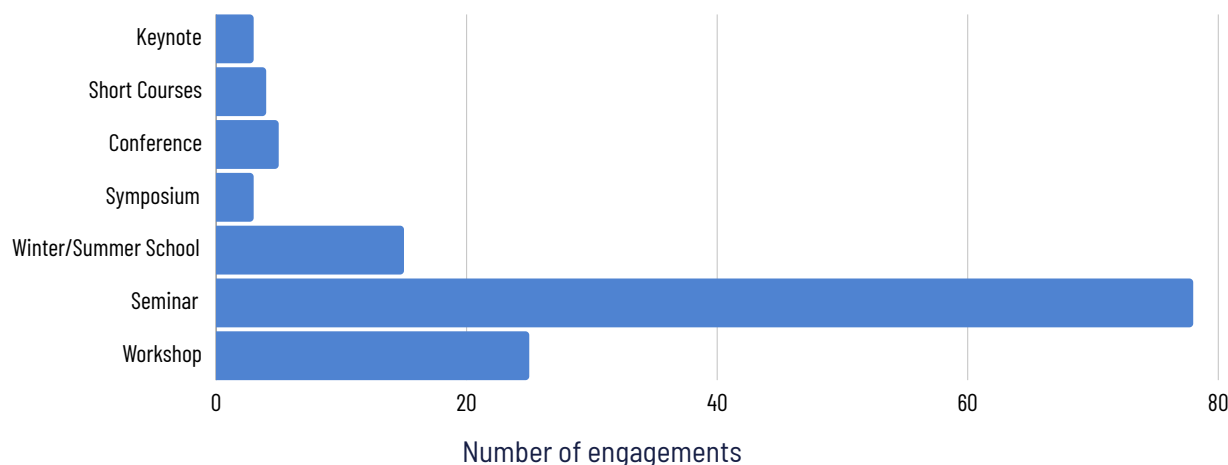
During 2023-24, the faculty members were invited to various institutes and conferences nationally and internationally as guest speakers. Apart from the technical talks, the faculty members were also invited as resources person for FDPs on multiple platforms. The figure below on the left summarises the number of engagement by the faculty in India and abroad. The figure on right gives a brief on the type of engagements. A detailed list is given in the weblink iiitd.ac.in/ar/appendices24.



Events Organised

A strong faculty engagement in outreach is significant for generating and disseminating knowledge. It is a source of new insights and understanding. It builds bridges between theory and practice, directly and indirectly, benefiting the teaching and learning process.

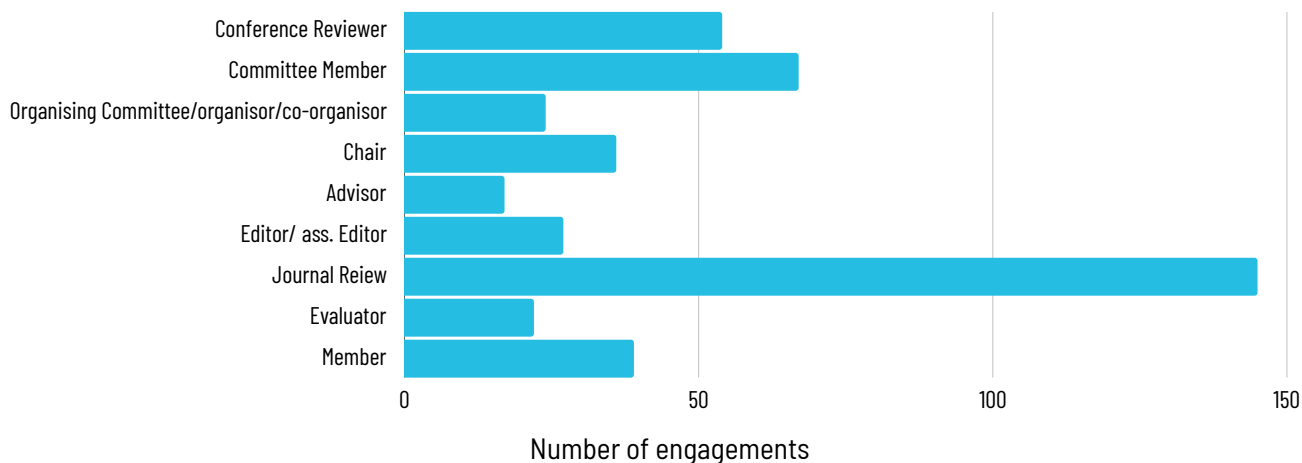
IIIT-Delhi encourages faculty members to undertake outreach activities and organize workshops, seminars, and courses within and outside the Institute. Last year, the faculty members were involved in more than 50 such activities, including organizing workshops, giving talks, organizing short courses, etc. The figure below provides a summarised version of number and types of engagements, and detailed list is given in the weblink iiitd.ac.in/ar/appendices24.



Professional Services by Faculty Members

Faculty members regularly serve as chairs /members of several national/ international committees and international conferences. Many faculty members are part of editorial boards and regularly serve as reviewers of national and international journals.

Faculty members perform a broad array of services that are vital in supporting and sustaining the quality and effectiveness of the programs at the Institute and departmental levels (institutional service). Faculty members also provide academic and administrative assistance to their disciplines, furthering their research areas as professional service. Additionally, faculty members contribute to the larger community by engaging in outreach activities and making their communities a better place for sustainable living. A brief of the professionals services and number of engagements is shown in the figure below and a detailed list is given in the weblink iiitd.ac.in/ar/appendices24.

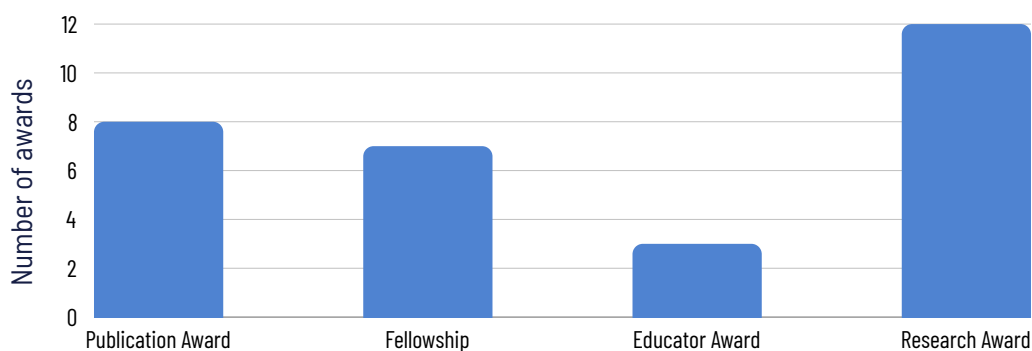


Faculty Awards and Recognitions

The faculty members of the Institute are well-known in the international academic community for their research. Many colleagues serve on conference committees, editorial boards, and professional societies and have been recognized for their research contributions and accomplishments. The Institute values the hard work of the faculty members and acknowledges the role of awards in nudging towards excellence.

The faculty members have received several academic awards for their outstanding research work. Many of them have received prestigious research grants and fellowships. A summary of the awards/ recognitions is shown in the figure below, and a detailed list is given in the weblink iiitd.ac.in/ar/appendices24.

In the past year, faculty members received recognition for their research contributions by the Indian Government and other international agencies. Several faculty members received distinguished awards and accolades, including the Adobe Faculty Award, Global Second Prize in The Trinity Challenge 2024, MERCK Young Scientist Award, Humboldt Research Fellowship and more.



Placements and Internship



"Let us choose for ourselves our path in life, and let us try to strew that path with flowers."

Émilie du Châtelet

French Mathematician and Philosopher



Placements and Internship

The presence of world-class research facilities, close institute-industry collaborations, international exchange programs, interdisciplinary research collaborations, and industrial training opportunities help the students of IIIT-Delhi excel and be ahead in the competitive professional environment. The placement drive at the Institute is a year-long event.

The placements, done in two phases, demonstrated the demand for our graduates among the top recruiters in various segments and sectors of the economy. Against the backdrop of general uncertainty due to economic slowdown, and recessionary trends in job creation, IIIT-Delhi students confidently participated in the placement with necessary preparatory activities for students to prepare them on both technical and interpersonal levels. IIIT-Delhi is an Institute that enables the practical employability of the students. Most of the courses involve projects ensuring a hands-on knowledge of the area/technology. This blend of theory and practical skills makes them highly employable compared to any other institute. IIIT-Delhi students enjoy the best combination of strong technical background and excellent soft skills. The Placements Cell at IIIT-Delhi takes a comprehensive examination of the students at the beginning of the 6th semester, which includes courses from all previous semesters, to fill the gaps in what they have studied so far.

The Placement Cell organizes CV Writing Workshops, Mock Interviews, and Group discussions to prepare every student for job interviews. The Placement Office is run and managed by an efficient team of office staff that handles all aspects of placements at IIIT-Delhi, from contacting companies to managing all the logistics and arranging for the tests and pre-placement talks conducted for final interviews.

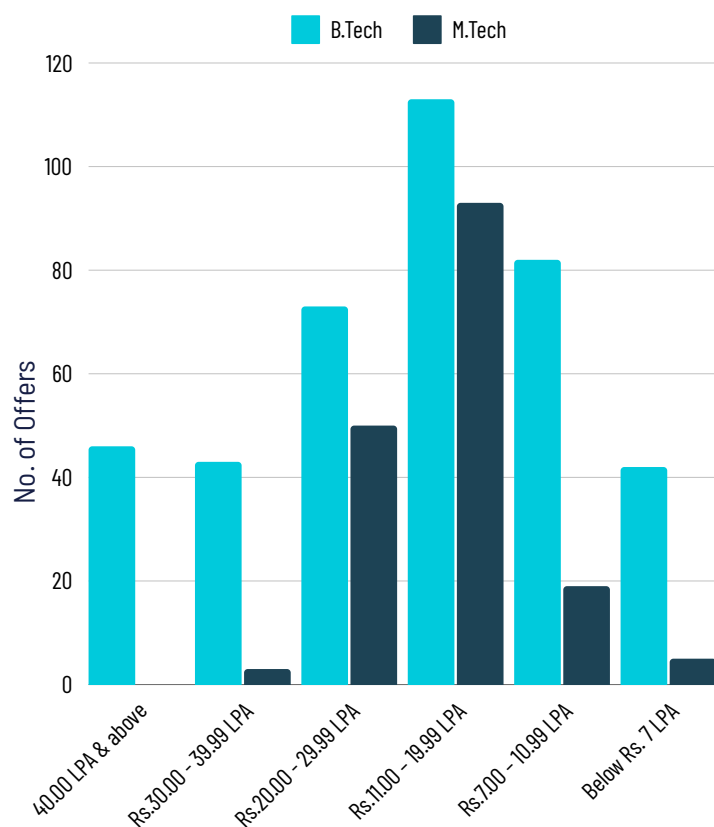
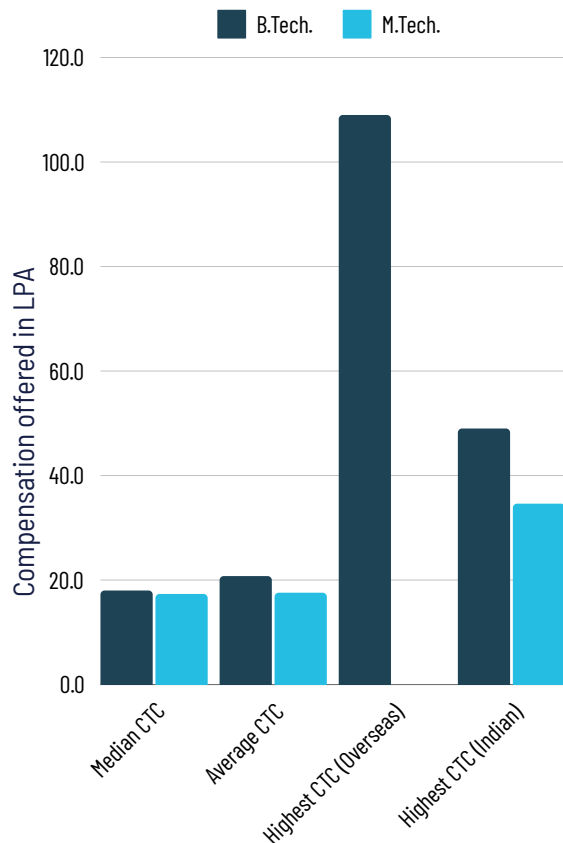


Placement of Class of 2024

IIIT-Delhi is dedicated to ensuring the successful placement of its students in reputable organizations, and its impeccable placement record speaks for itself. The figure below shows the percentage of students placed from each program in the year 2024.



The industry is always in need of highly-skilled fresh talent. IIIT-Delhi addresses this need through a comprehensive and long-term approach to education with a positively charged professional atmosphere. The Institute has a blend of highly accomplished and motivated faculty with an enthusiastic student group. The figure below on the left shows the compensation offered during 2023-24, and the figure on the right shows the categorisation of offers.



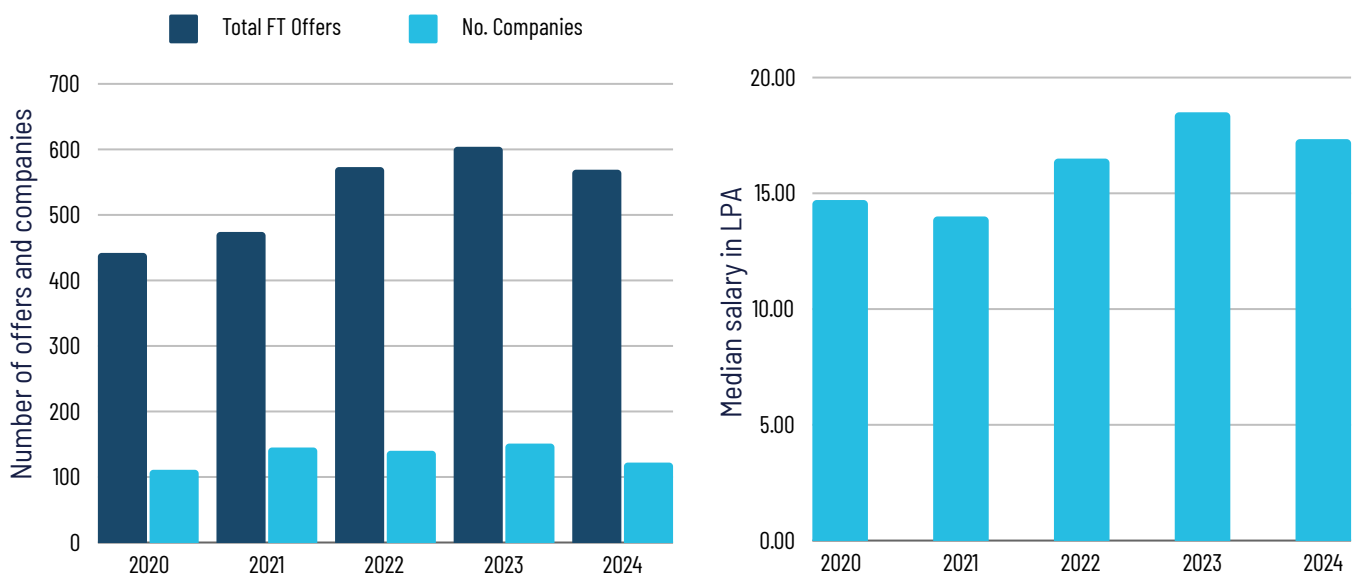


Placement Over the Years

During IIIT-Delhi placements 2023-24, over 122 companies participated in the placement drive and, 89.46% of students have been placed across all the programs. The highest domestic CTC stood at INR 49 LPA and highest Highest Compensation Overseas was Rs. 109 LPA . The average and median CTC stood at INR 23.72 LPA and INR 18.5 LPA, respectively. The figure below shows the placement statistics over the years.

The figure below on the left shows the number of complaints received for placement and the total number of offers made in the last five years. The figure on the right depicts the median of these metrics over the same period.

This data provides valuable insights into the trends and effectiveness of the placement process, highlighting areas of success and opportunities for improvement. Analyzing these figures helps understand the dynamics of the job market and the performance of the Institute's placement cell in addressing student concerns and securing job offers.

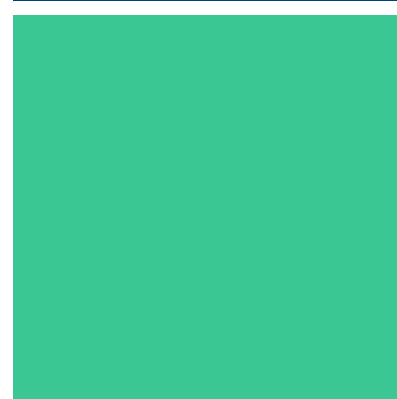


Year-wise comparison



Top Recruiters

We are proud to collaborate with a diverse group of leading companies across various industries. Our graduates have been successfully placed in some of the world's most prestigious organizations, thanks to our robust recruitment programs and the strong relationships we have built with top employers. From technology giants like Amazon, Qualcomm, and Salesforce to global leaders in finance and consulting like HSBC and Accenture, our recruiters represent a wide range of sectors.





Student Internships

Industrial exposure and practical experience play a significant role in transitioning to the corporate world. Internships have thus become vital as they provide this exposure and experience and help one's personal growth and development. Students from their second and third years of Bachelor's and first year of Master's programs appear for internship recruitment. Keeping the diversity of students in mind and the importance of internships in context, the Placement Office strives hard to provide students with the best opportunities in their field of interest. Placement Office also encourages research by giving students research internship opportunities at esteemed universities.

The summer internship program at IIIT-Delhi continues to grow every year. In addition to IIIT-Delhi students working on projects/research topics through this program, the Institute also gives students from other institutions opportunities to work at IIIT-Delhi.

Students at IIIT-Delhi can opt for the following kinds of internships:

- Summer Internship (only B.Tech.) - May - July, max duration 6 to 8 weeks
- Long-term Internship - Duration 04 to 06 months (Note - It is not a mandatory part of the curriculum for any program)

Internship Numbers 2023-24

132 - B.Tech. Pre Final Year Internships

**129- B.Tech. and M.Tech.
Final Year Internships**

Student Matters



“Education, to be complete, must be humane, it must include not only the training of the intellect but the refinement of the heart and the discipline of the spirit. No education can be regarded as complete if it neglects the heart and the spirit.”

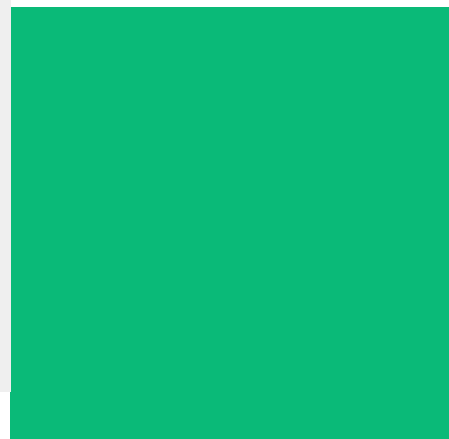
Dr. Sarvepalli Radhakrishnan

Educator, 2nd President of India

Ecosystem for Growth

The Institute encourages a holistic academic experience, where enriching student life balances deep intellectual explorations, fostering the development of healthy and resilient individuals capable of rising to life's challenges. The Institute provides an array of support services, from counseling and peer assistance to academic mentoring and tutoring, offering students additional help whenever needed, thereby equipping them for success in the real world. The vibrant student life and multifaceted activities on campus create a stimulating environment that promotes independent thinking and introspection, while also encouraging the students to embrace responsibility.

IIIT-Delhi ensures that students have ample opportunities to participate in Institute affairs, actively involving them in formulating and reviewing policies related to student life, services, and interests. IIIT-Delhi students significantly contribute to creating, synthesizing, and disseminating knowledge through numerous opportunities to engage in cutting-edge research.



Vibrant Student Life at IIIT-Delhi

The student life at IIIT-Delhi is known for its vibrancy and dynamic nature. The Institute fosters a stimulating academic environment that encourages research and innovation in information technology and related fields.

Beyond academics, students have access to a wide array of extracurricular activities through various clubs and societies, catering to diverse interests such as coding, robotics, entrepreneurship, literature, music, and dance. These clubs organize events, workshops, and competitions, offering students ample opportunities to pursue their passions outside of their studies.

The campus is abuzz with cultural and technical festivals that showcase the talents and skills of the students, drawing participants from other colleges and creating a lively atmosphere. Additionally, hostel life promotes a strong sense of community, where residents often organize engaging activities. The Institute's location in Delhi, India's bustling capital city, further enriches the student experience, providing access to various cultural events, historical sites, shopping centers, and entertainment options. IIIT-Delhi typically offers support services like counseling, career guidance, and health facilities to ensure the well-being of its students.

B.Tech. Induction 2023

The induction program for the B.Tech. batch of 2027 was held from August 2nd to August 5th, 2023. This event was meticulously planned to ensure a smooth transition for the incoming students as they embarked on their academic journey at IIIT-Delhi. The induction featured a series of keynote sessions delivered by eminent speakers who have made significant contributions to academia and industry. Prof. Anil Gupta, Founder of the Honey Bee Network, retired IIM professor, and Padma Shree Awardee, shared his profound insights on innovation and grassroots entrepreneurship, inspiring the students to think creatively and pursue impactful projects.

Prof. Pankaj Jalote, Founding Director and Distinguished Professor at IIIT-Delhi, addressed the students, providing them with valuable perspectives on academic rigor, research opportunities, and the importance of a strong ethical foundation in their professional lives. His session was particularly impactful, motivating students to strive for excellence and integrity in their academic pursuits.

In addition to these enlightening keynote sessions, the induction program included a variety of engaging activities designed to foster a sense of community and camaraderie among the new students. Workshops, team-building exercises, and interactive sessions were conducted to help students get acquainted with the campus, faculty, and their peers. These activities were aimed at easing the students' transition into college life, encouraging them to form meaningful connections and develop a supportive network.



M. Tech. Induction 2024

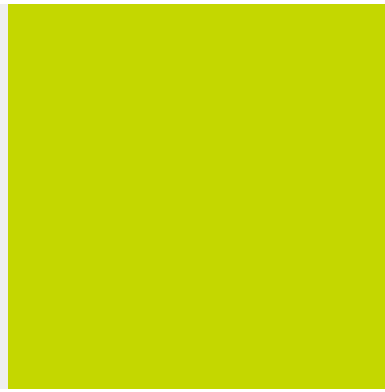
The induction program for new M.Tech and Ph.D. students at IIIT-Delhi features a series of key events designed to welcome and orient them to the institution. The schedule from June 30th to July 2nd, 2023, includes various activities and sessions aimed at integrating students into the campus community and setting the stage for their academic journey.

On June 30th, the program begins with registration, followed by a welcome note from the Director and other key administrative figures, including the Dean of Academic Affairs, Dean of Student Affairs, and the Registrar. Prof. J. V. Meenakshi leads a Gender Sensitization Workshop, followed by sessions introducing students to the incubation center, startup opportunities, and placements. The day concludes with an introduction to the academic structure and expectations by the PGC Chair.

July 1st features a series of motivational and informative talks. Capt. Akhilesh Saxena, a VP at Tata Communications and a Kargil War Veteran, delivers a keynote speech on leadership and resilience. Prof. Pankaj Jalote, the Founding Director of IIIT-Delhi, shares insights into the institute's vision and values. Mr. Zafar Iqbal, an Indian Olympic athlete and former captain of the national hockey team, discusses the importance of perseverance and teamwork. The day also includes a mesmerizing Kathak performance by Shri Ravi Prakash, adding a cultural touch to the program.

The final day, July 2nd, focuses on student engagement and community building. Activities include interactive sessions with alumni, discussions on mental health and well-being led by the Well-being Cell, and a special session with parents to foster a supportive environment. The day also features an introduction to various student clubs and councils, providing insights into the vibrant campus life at IIIT-Delhi. The induction program concludes with a "Breaking the Ice" jam session, helping students to connect with their peers and build a sense of community.





Student Fests

At IIIT-Delhi, the student community thrives enthusiastically, organising two festivals that are eagerly anticipated every year. The first is the technical festival called **ESYA**. ESYA serves as a platform for students to showcase their technical prowess, innovations, and problem-solving skills. The festival encompasses a wide array of activities, including workshops, hackathons, coding competitions, robotics challenges, and technical talks by industry experts. ESYA attracts participants from within the Institute and various other colleges, making it a hub of technical brilliance and innovation.

The second major festival at IIIT-Delhi is **Odyssey, a cultural extravaganza** celebrated in January. On January 19th-20th, 2024, the campus was transformed into a vibrant hub of creativity and entertainment. The festival showcased a diverse range of activities, including music, dance, art, quizzing, theatre, poetry, lifestyle, and fashion.

Odyssey's musical highlights included Nirvana Night on January 19th, featuring **concerts by KRISNA**, Lost Stories, and Ravator. The following day, **stand-up comedy by Akash Gupta** and a spectacular performance by **Shankar Ehsan Loy** enthralled the audience. Dance enthusiasts showcased their moves, artists displayed their creativity in stunning art exhibitions, and quiz aficionados tested their knowledge in intellectually stimulating quizzes. The festival also embraced the spirit of fun and fashion, with various light-hearted activities and fashion shows adding a vibrant touch to the event.

The allure of Odyssey extended beyond IIIT-Delhi, drawing participants from other institutions and making it a regional event of significance. The contests held during the festival further encouraged healthy competition and rewarded excellence in various fields.

Odyssey's success was a testament to the students' collective effort, dedication, and passion for organizing an event that celebrates creativity and camaraderie. The festival's inclusive nature, star performances, and extensive external participation exemplify the spirit of unity and inclusivity within the IIIT-Delhi community.



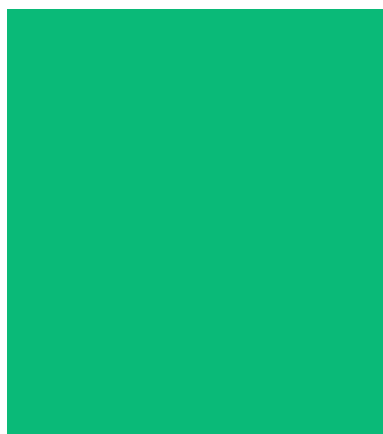
TEDxIIITD

TEDxIIITD has become a cornerstone event at IIIT-Delhi, held annually for the past five years, providing a platform for sharing transformative ideas and sparking deep discussions. The 2024 edition took place on April 13th with the theme "Unveiling the Unseen." This theme reflects the commitment to uncover hidden truths, explore uncharted territories, and challenge conventional boundaries by examining overlooked and underestimated aspects of our world.

The event featured a mix of TED Talks, video presentations, and live speakers, each contributing to the overarching theme. The speakers, including prominent figures from various fields, shared their insights and experiences, inspiring the audience to think differently and explore new perspectives. The discussions aimed to peel back the layers of reality, revealing awe-inspiring wonders often missed in our hurried lives. One of the highlights of TEDxIIITD 2024 was the keynote address, which set the tone for the event by emphasizing the importance of looking beyond the surface and recognizing the extraordinary in the ordinary. The event also included interactive sessions, allowing participants to engage directly with the speakers and delve deeper into the topics presented.

The theme "Unveiling the Unseen" invited attendees to scrutinize the overlooked, misunderstood, and underestimated elements of our world. It encouraged them to explore the extraordinary hidden in plain sight, fostering a sense of curiosity and wonder. This aligns with the core principles of a TEDx event: generating new ideas, fostering understanding, and instilling a belief in the transformative power of knowledge and enlightenment.

TEDxIIITD 2024 was not just an event but a call to action, urging participants to embrace new perspectives and challenge their assumptions. It aimed to leave a lasting impact, inspiring attendees to carry forward the insights gained and apply them in their own lives. The event's success was a testament to the dedication and passion of the organizing team and the enthusiastic participation of the IIIT-Delhi community. As TEDxIIITD continues to grow, it remains a beacon of intellectual curiosity and innovation, encouraging all to "unveil the unseen" and explore the limitless possibilities that await.





Student Welfare

Hostel, Mess, and Cafeteria

IIIT-Delhi provides accommodation to students wishing to reside in the hostels. There are four hostels, two for the boys with 508 and 454 beds, respectively. The remaining two hostels for the girls have the provision of 380 and 394 beds. There are 22 married hostel accommodations available for married Ph.D. students. Each room in both the hostels has furniture needed by a student – bed, table, chair, bookshelf, cupboard, etc. The rooms are equipped with night-time air conditioning in summer and heating in winter. High-speed internet connectivity is also available in hostels.

The hostels have options of single and double-occupancy rooms, all of which are air-conditioned. Four guest rooms are available at the hostels for guests visiting the Institute. All hostel students are free to move around the campus at all times, and some of the study areas are open 24x7 for the benefit of students. To provide 24x7 medical cover for our faculty, staff, and students both staying in hostel and day scholars, the Institute has set up a health-centre along with the availability of an in-house nurse and a resident doctor on a full-time basis. Visiting Doctors are also available from Monday through Saturday.

There is a mess for the students, which functions during the working semester and breaks. A canteen also operates throughout the day and night. The Institute also has an ATM and Automatic laundry system for students, which is fully functional and available around the clock. A stationery shop, Mother Dairy outlet, DOSA Corner, and Chai Adda, for students to meet their daily needs. During the winter and summer vacations, a special mess facility runs for students who must stay in the hostels to pursue academic, sports, or cultural activities.

An external security agency has been contracted to provide security at the hostels. The services of the security personnel are monitored by the Facility Management Services team headed by the Chief Engineer. Besides, Faculty-In-Charge-Food, Student Affairs office, and Mess Committee, which has representatives from hostel committees and day scholars, also monitor the quality, taste, and hygiene of the food served in the mess. They also interact with the mess vendor to provide him with student feedback and accordingly effect changes in the weekly menu. Periodical review and inspection of the quality of food items also form part of their duties.

Well-being Cell

The Institute has a Well-being cell with two counsellors (one full-time and one part-time) and two faculty in-charges helping the students. The Well-Being Cell offers free and confidential psychological support to all the students and staff members of the university. Additionally, there is an active Student Mentorship Program (SMP) which six faculty members manage, one from each department, taking care of the mentor-mentees and interacting with students. SMP aims to enable constructive and positive interaction, guidance, and mentorship of junior students by senior students. The student mentor is generally more experienced than the mentee and uses that experience constructively to support the first-year students' development. The role of a student mentor is to facilitate, be supportive, and contribute to the student community in general. The mentoring relationship provides an opportunity not just to the mentees but to the mentors too, to learn and grow together. In addition to the existing Well-being Cell's counselling services the Institute has started an online counselling services in collaboration with YourDost, India's first and largest online mental health and emotional wellness coach.

Anti-ragging Policy

IIIT-Delhi has a zero-tolerance policy on ragging, which is a punishable offence. The Institute has formed an anti-ragging committee and anti-ragging squads. Besides, each student of the Institute and their parents or guardians must submit a combined undertaking against ragging at the time of registration, which is a mandatory process. All the officials of the Institute, students, parents and guardians of the students, members of the anti-ragging committee, and the squad need to adhere to the stipulations. This approach effectively monitors and complies with the provisions against ragging. The Institute has the following measures in place:

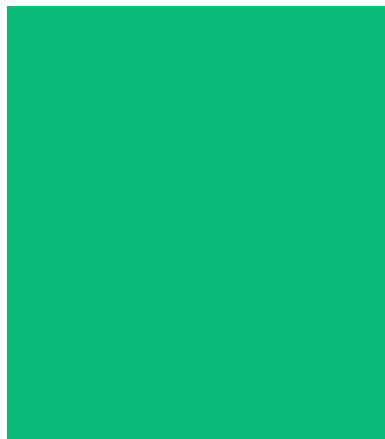
- Institute-level Anti-Ragging Committee
- Hostel-level Anti-Ragging Committee
- Message/Complaint Boxes near the academic area
- Undertaking from the Students and Parents
- Disciplinary action in case of violation of the above rules are:
 - Removal from hostel
 - Referring the case to the disciplinary action committee

Policy Against Violence Inside/outside Campus

Any form of violence and harassment is not tolerated at IIIT-Delhi. Reasonable steps are taken to protect students from campus violence and harassment. Thorough investigations are conducted to deal with all incidents and complaints in a fair and timely manner, respecting the privacy of all concerned as much as possible. Individuals who commit violence on campus and harassment may be subject to disciplinary action, criminal penalties, or both. Retaliation or reprisals are prohibited against any person who, in good faith, has complained under this policy.

Policy of Non-discrimination

The Institute embraces and leverages diversity in all of its forms. It complies with applicable provisions of the state law, which prohibits discrimination in employment, or in admission or access to its educational or extracurricular programs, activities, or facilities, based on caste, gender identity or expression, race, creed, color, place of birth, ancestry, ethnicity, national origin, religion, sex, sexual orientation, age, marital status, service in the armed forces, positive HIV-related blood test results, genetic information, or against qualified individuals with disabilities based on disability or any other group or characteristic as defined and to the extent protected by applicable law.





Women-friendly Campus

Internal Complaints Committee

The Internal Complaints Committee (ICC) for Gender Sensitization and Complaints against Sexual Harassment has been working actively with the aim of ensuring a safe environment for all studying and working at the Institute and to address sexual harassment-related complaints.

The roles and responsibilities of the ICC are:

- To provide conciliation to settle the matter between the complainant and the respondent.
- To conduct an inquiry within the time frame (90 days) as prescribed in the Act.
- To prepare inquiry and settlement reports and submit the same to the Director.
- To ensure confidentiality in conciliation proceedings, conducting an inquiry, and keeping records.
- To be easily accessible

The ICC also organises regular training sessions on gender sensitisation and the POSH act for the IIIT-Delhi staff, faculty, and students to educate the campus community with the goal to prevent sexual harassment. ICC has conducted **Eight trainings/workshops** on the gender sensitization and POSH act for the ICC members, IIIT-Delhi faculty, staff, and students in year 2023-24 which are as follows:

- Session on gender sensitization Session and PoSH Act - for all IIIT-Delhi faculty
- 2 POSH ACT, Role of ICC committee, and processes - for ICC Members only
- Gender Sensitization Session - for B.Tech. New admissions
- Gender Sensitization Session - for M.Tech. and PhD New admissions
- Gender Sensitization Session - for all M.Tech. students
- Gender Sensitization Session - for all Ph.D. students and Teaching fellows
- Gender Sensitization Session - for all IIIT-Delhi staff

During the academic year commencing in August 2023, a total of 10 complaints were filed. One complaint was dismissed due to the incident being reported more than two years after it occurred, while inquiries were initiated for the remaining 9 cases. The institution has taken proactive measures by providing interim relief in all 9 cases. In 6 of these cases, the Internal Complaints Committee (ICC) recommended penalties, which have been duly implemented by the institution. The inquiries for the remaining 3 cases are still ongoing.





Health Centre

In order to provide 24X7 medical facility for our Faculty, Staff and students staying in hostel and day scholars, the Institute has set up a Health Center at Ground Floor of the Student Center Building. Particularly for female students, a Qualified Gynaecologist {M.B.B.S, M.S., DNB, FMAS, DMAS} is available in the premises two days a week. Two qualified Female Nurses are also available from Monday to Saturday. In addition a Medical Practitioner, MBBS, M.S. (Gen. Surgery) is available in the premises six days a week from Monday to Saturday and a Resident Doctor, MBBS, is available in the health centre.



Gender Just Initiatives

IIIT-Delhi has taken significant strides towards creating a women-friendly campus through various empowering initiatives. A regular feature at B.Tech., M. Tech., and Ph.D. induction program is a gender sensitization workshops conducted by ICC members, aimed at promoting awareness and sensitivity towards gender-related issues, fostering a culture of respect and inclusivity.

Furthermore, IIIT-Delhi, in collaboration with Delhi Police, organized a one-day Self-defense workshop exclusively for the girl students. With more than 30 participants, this workshop emphasized personal safety and equipped the girls with practical self-defense techniques to deal with potential threats, such as antisocial elements, stalking, harassment, and assault. The program empowered the students, by instilling a sense of confidence and self-assurance in handling challenging situations. The Institute also offers a day-care facility for young children for all employees and students.

Through these initiatives, IIIT-Delhi reaffirms its commitment to fostering a women-friendly atmosphere on campus, where all students can thrive, feel secure, and fulfill their academic potential without any barriers or fear.



Alumni Matters



"Nobody is bothered about an institution more than its alumni."

Mr. N. R. Narayana Murthy

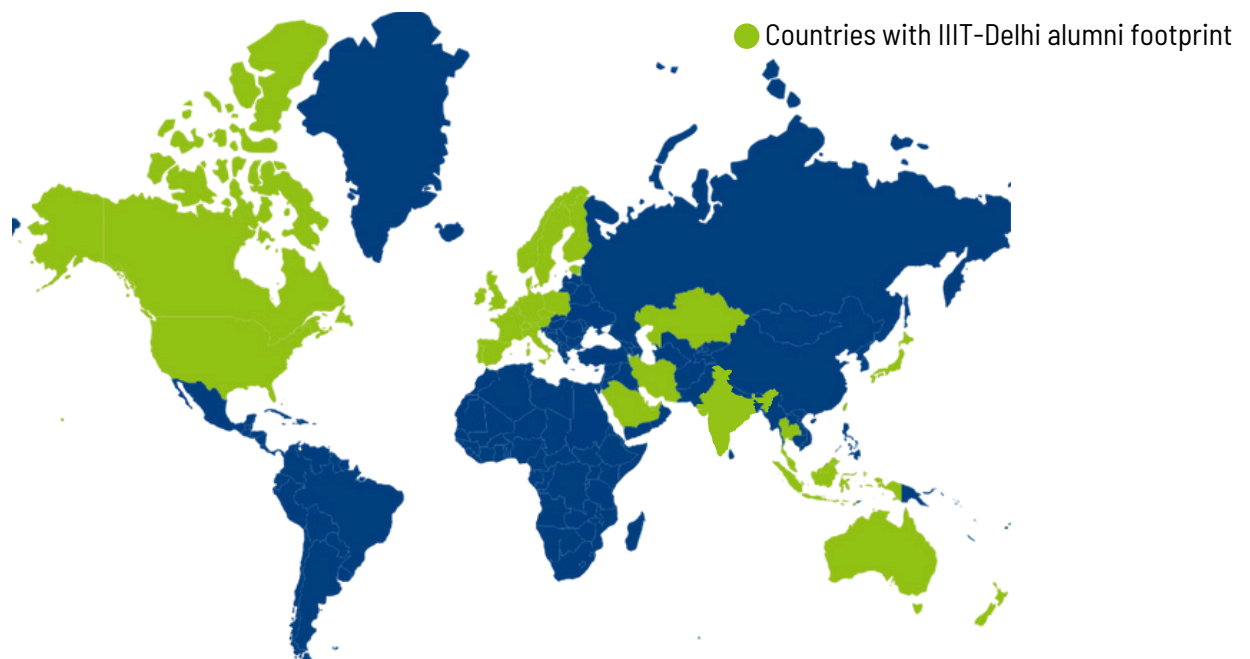
Founder of Infosys



Alumni Footprint

IIIT-Delhi alumni share a deep connection with the Institute, serving as our proud flag-bearers and crucial stakeholders. Their engaged network is a valuable asset, offering unwavering support to students and the institution alike. Leveraging their diverse skills and experiences, alumni contribute significantly to IIIT-Delhi's growth and development. With their global presence spanning across various countries, they strengthen the Institute's international ties, fostering opportunities for collaboration and research partnerships.

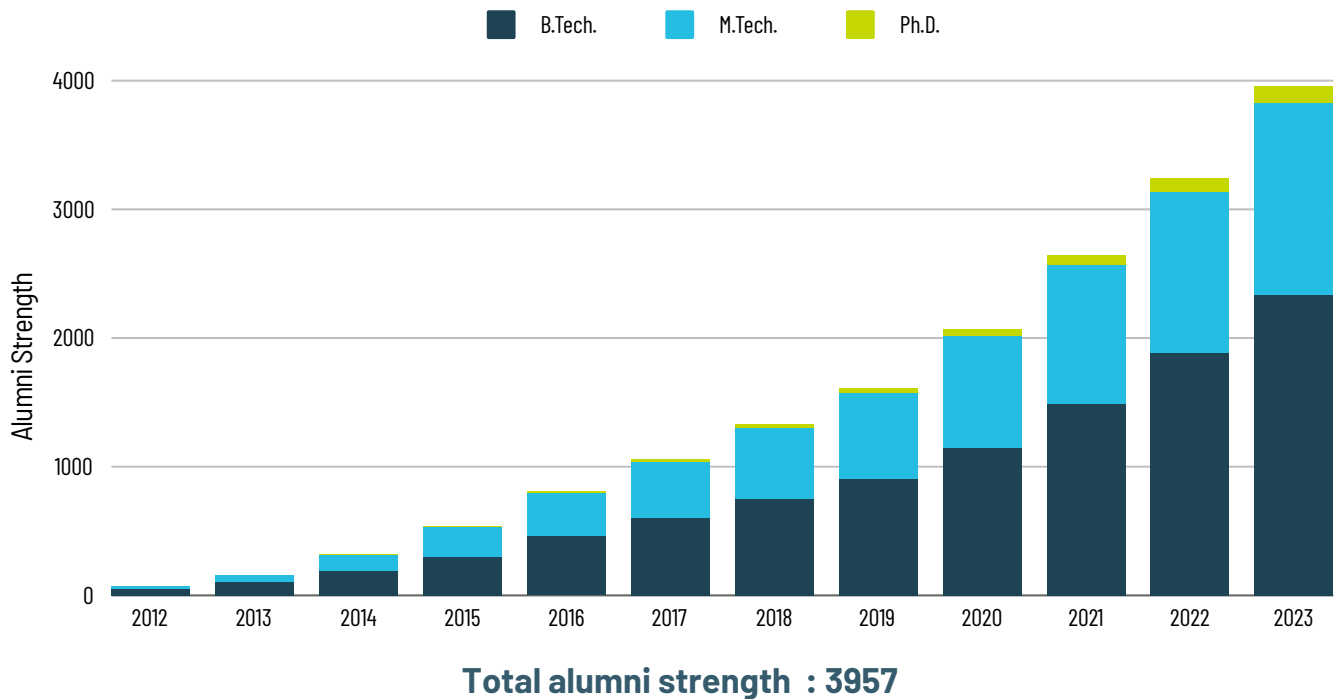
Through mentorship, industry connections, and alumni-driven initiatives, they demonstrate a deep sense of gratitude and a shared vision for IIIT-Delhi's continued success. The alumni community remains an essential and vibrant part of IIIT-Delhi's journey towards academic excellence and global impact. Fig. below shows the countries where IIIT-Delhi alumni are currently based.



- Australia
- Austria
- Belgium
- Canada
- Czech Republic
- Denmark
- Estonia
- Finland
- France
- Germany
- Hong Kong
- India
- Indonesia
- Iran
- Ireland
- Italy
- Japan
- Kazakhstan
- Luxembourg
- Malaysia
- Netherlands
- New Zealand
- Norway
- Poland
- Portugal
- Qatar
- Saudi Arabia
- Scotland
- Singapore
- Spain
- Sweden
- Switzerland
- Taiwan
- Thailand
- UAE
- UK
- USA

Alumni Strength

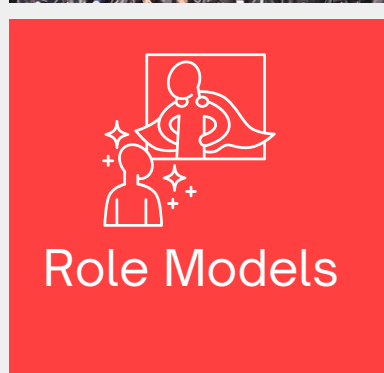
The Institute considers the alumni as its significant assets and ambassadors and is constantly exploring new ways of engaging with alumni worldwide. Figure below shows the rising alumni strength of the Institute over the years.



Community-Oriented



Mentorship



Role Models



Giving Back

For many alumni of the Institute, “giving back” isn’t just tied to offering monetary gifts to the Institute but it is their way of building a lifelong relationship with their alma mater. Whether the alumni give back through their time, funds, expertise, or professional network, the generosity has helped the Institute tremendously.

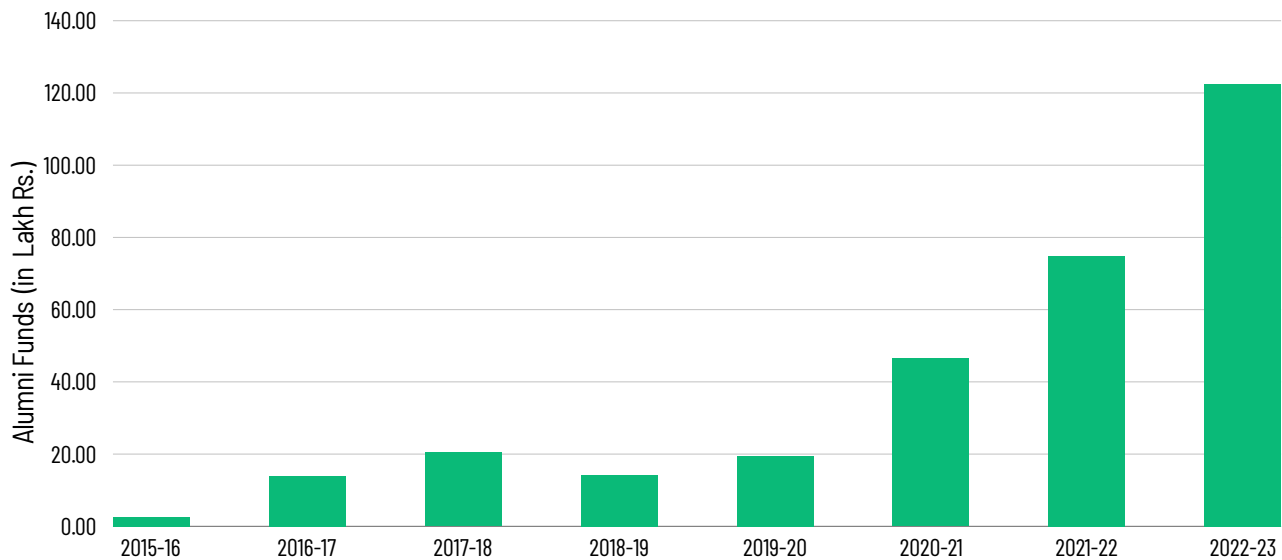
IIIT-Delhi Alumni Association donated INR 1,00,000 to Odyssey Fundraiser to support one of the biggest and the most memorable college fest of the Institute, 'Odyssey 2024'.

In 2020-21, the Office of Alumni Affairs established a corpus fund named “Alumni Legacy Fund,” and the alumni and the graduating batch donated gratuitously to the fund. Various ‘Alumni Talks’ were organized during the academic year 2023-24, where the alumni shared their life experiences and career achievements and delivered talks on other motivational topics. Some of the talks are listed below:

TITLE	DATE	SPEAKER
Careers in Data Science	13th October 2023	Ishan Goel, VWO, India
Automated sensors for scalable biodiversity assessment	12th January 2024	Aditya Jain, Mila - Quebec AI Institute, Canada
Higher Education Pathways	29th January 2024	Sanchit Sinha, University of Virginia, USA
De-mystifying Product Management	20th April 2024	Shobhita Saxena, CRED, India

Monetary Contribution

Over the years, the dedication and support of IIIT-Delhi alumni have played a pivotal role in shaping the Institute's growth and success. The adjacent figure shows the alumni contributions over the years.



Young Alumni Awards

To acknowledge and celebrate their exceptional accomplishments, significant contributions to the community, and professional or academic achievements, the Office of Alumni Affairs introduced the prestigious 'Young Alumni Awards.' These awards were inaugurated this year and will be presented annually on the Institute's Foundation Day.

The recipient of the 'IIIT-Delhi's Young Alumni Award for the year 2023:

Dr Nipun Batra (Ph.D. CSE, Class of 2017): Nipun is honoured with this award for his notable contribution to knowledge, technological innovation/discipline.

These awards symbolize the significant contributions made by our young alumni in various domains. The 'Young Alumni Awards' celebrate the legacy of excellence that IIIT-Delhi fosters, inspiring future generations of students to strive for greatness and make a positive difference in the world. The 'Young Alumni Awards' promise to be a yearly tradition, serving as a platform to celebrate and honor the exemplary contributions of our talented alumni community.



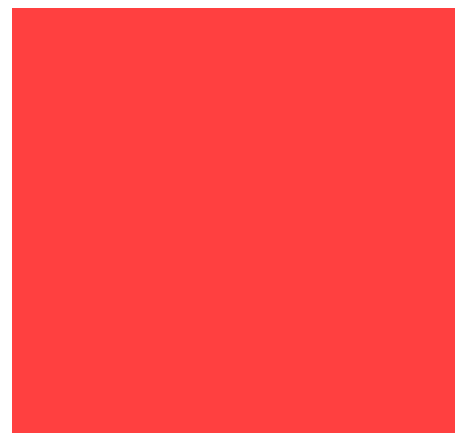
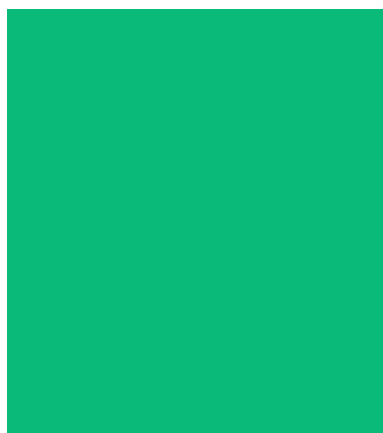
Alumni Meet-up Bangalore



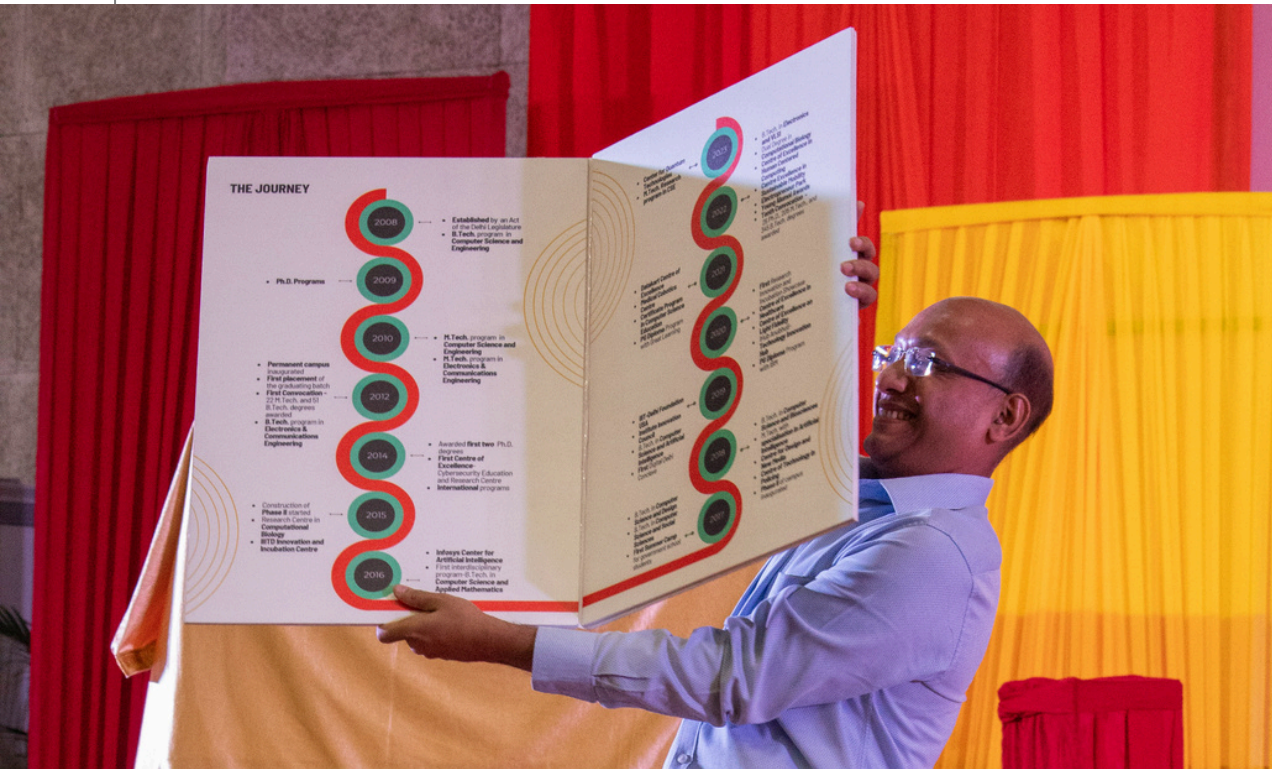
Alumni Wall of Honor

An Alumni Wall has been created at the Institute, which portrays the Alumni Awardees and the footprint of our alums across the globe. In conjunction with this celebration, we also inaugurated the 'Alumni Wall of Honour,' a tribute designed to celebrate the extraordinary achievements of our young alumni awardees. This commemorative wall, located on the Ground Floor of the Academic Building on the IIIT-Delhi campus, stands as a testament to the exceptional accomplishments of our alumni. It recognizes those who have excelled in their chosen fields and made significant contributions to society and their respective communities.

The 'Alumni Wall of Honour' is more than just a display; it is a source of inspiration. We hope that it will motivate current and future generations of students and alumni to strive for excellence and make impactful contributions in their fields. We are immensely proud of our alumni and their achievements, and we are committed to supporting and celebrating their successes in the years to come.



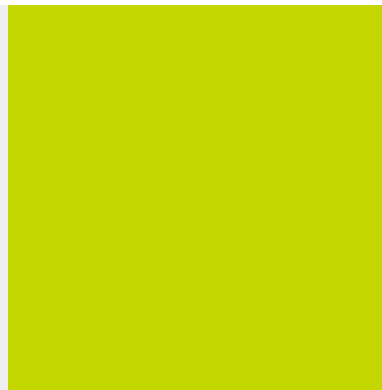
Quality and Process Improvement Initiatives



"Nothing worthwhile is ever achieved without deep thought and hard work."

Mr. J.R.D. Tata

Indian aviator, industrialist, entrepreneur and ex-chairman of Tata Group



Quality and Process Improvement Initiatives

Formation of Committees for Decision-making

The Institute has adopted the practice of forming committees to make decisions. The goal of committee formation is to develop a broadly representative group that is inclusive of and yet diverse on many dimensions, including demographic and disciplinary diversity and the diversity of faculty rank, employment status, or student degree program. The committee members are crucial to accomplishing the goals through their invested engagement in relevant problem-solving.

Standing Committees

The primary purpose of standing committees at the Institute is to consider and recommend actions and propose policies in the functional areas under their jurisdictions, subject to final approval by the Director. These committees consist of faculty members, officers, RWA representatives, and students, depending on the nature of the committee. Some of the committees formed recently are the Revenue Generation Committee, the Cost Reduction Committee, the Campus Well-being Committee, the Covid Care Committee, the Committee for Onboarding Policy for Students, and the Committee on Internship and Placement Challenges due to COVID-19.

Student Councils for Departments

Student Council for departments are student groups of elected and volunteer students working together with department faculty to provide a means for student expression and assistance in departments' activities, give opportunities for student experience in leadership and encourage student / faculty / community relations.

Innovation and Improvement Initiatives in Education

The faculty members at IIIT-Delhi continue to update the curriculum with the emerging trends and implement innovative teaching methods at the Institute. The faculty used Kialo, Media Cloud (developed by researchers at MIT) as well as SNA techniques to demonstrate the point rather than simply lecture on the subject. The resources used varied from documentaries to twitter threads to media reports. The course involved a lot of critical thinking and active engagement from the class even in online mode.

Onboarding Process for Start-ups

IIITD Innovation and Incubation Centre has augmented the process of onboarding startups to get the best startup companies associated with it and help them during the incubation period. The process involves:

- Simplified applying process for the start-ups to be incubated at the centre
- Scrutiny of the applications received based on relevance
- Presentation before the Evaluation Committee
- Onboarding of the startup company based on the decision of the Evaluation Committee



Institute Infrastructure



*"When the winds of change blow,
some people build walls and others
build windmills."*

Unknown

An ancient proverb

Campus Infrastructure

IIIT-Delhi has a sprawling campus of 25 acre in Phase-III of the Okhla Industrial Area, New Delhi. The Institute has state-of-the-art infrastructure and modern facilities to conduct world-class research and teaching. The campus incorporates several green-building features. It is GRIHA-rated zero-discharge campus with sewage treatment plants, rainwater harvesting, heat pumps, and solar power plants on terraces of all new buildings.

Accessibility

The campus is located in the south Delhi region of the capital city. It is accessible through public transport with a DTC bus or by Delhi Metro, through two nearby Metro Stations – the Govindpuri Metro station and Okhla/ Harkesh Nagar Metro station. If one is coming by car or a two-wheeler, the campus can be reached through a road along the Banarsi Das Chandiwala Institute from the main Maa Ananda Mayi Ashram Marg.



Building Resources

Academic/Administrative Block

The Academic/Administrative block consists of three 200-seater lecture halls, smaller classrooms, research labs, and instruction labs. The building also houses offices for staff members, and offices of the visiting faculty members. At the ground floor of the building resides a coffee shop.



Library and Resource Centre Block

An independent library and resource center is housed in a four-storied building with fully airconditioned reading and discussion spaces for members of the Institute. IIIT-Delhi Library and Information Centre provide books, e-books, Kindle books, readers, periodicals, journals, technical reports, documentaries, and many more resources for the holistic growth of the community.



Dining Block with Student Activity Centre

A separate dining-cum-student activity centre is located in a four-storied building with food and utility outlets. There is also a Health Centre with a visiting doctor and a nurse. The building is also equipped with a laundry facility on the ground floor, and a mess facility on two subsequent floors. It also has a floor reserved for student and club activities.



Boys and Girls Hostel Blocks

The total capacity of the hostels is 1758 students, including 774 girls, 962 boys, and 22 studio apartments for married students. Single and double well-furnished rooms are provided to the students with night-time air-conditioning. The ground floor of the building is reserved for command rooms and a hangout area for the students.



Research & Development Block

The Institute has developed an ultra-modern, GRIHA 4-star rated green building, Research & Development Block. It is an eight-storied building facility with four 100-seater lecture halls, 58 labs, 116 faculty rooms, 24 discussion rooms, seven meeting rooms, Board and Senate room, and Director and Dean offices. The R&D building also accommodates research labs and workspaces for PG and Ph.D. students. A well-manicured tech garden and open-air amphitheater welcomes the visitors as they approach the block.



Lecture Hall Complex

The LHC is another GRIHA 4-star rated building comprising a six-storied facility, with one 500-seater and two 300 seaters state of the Art, stepped lecture theatres, 9 Classrooms of various capacities, 13 instruction labs, Computational Biology labs, Electronics labs, meeting rooms, and 12 Interview rooms. The office of Training and Placement, Industry Outreach Centre, and The Incubation Centre also operate from LHC.



Sports Block

A well-equipped Sports Block comprising four storied building facilities with a covered indoor half olympic size swimming pool, an indoor badminton court, two indoor squash courts, gymnasium, multipurpose hall, and yoga rooms. It also houses a faculty transit accommodation/guest house facility with 16 well-furnished rooms, a dining lounge, and a shared kitchen on the second floor. The building faces the football/multipurpose field.



Faculty Residences

Two towers for faculty residences comprising 74 flats for faculty have been provided on campus. The building also has an indoor parking facility, a community hall for small celebrations, day care, and a green play area for kids.



Inclusive Campus

Gender-Just Campus

IIIT-Delhi is committed to be a gender-just campus that strives to create an inclusive and welcoming environment for everyone regardless of their gender identity. The Institute has implemented various policies and measures to ensure that all members of the community feel safe and respected, including gender-neutral washrooms, gender sensitization workshops, Internal Complaints Committee and strict guidelines against any form of gender-based discrimination.



Equal opportunity Initiatives

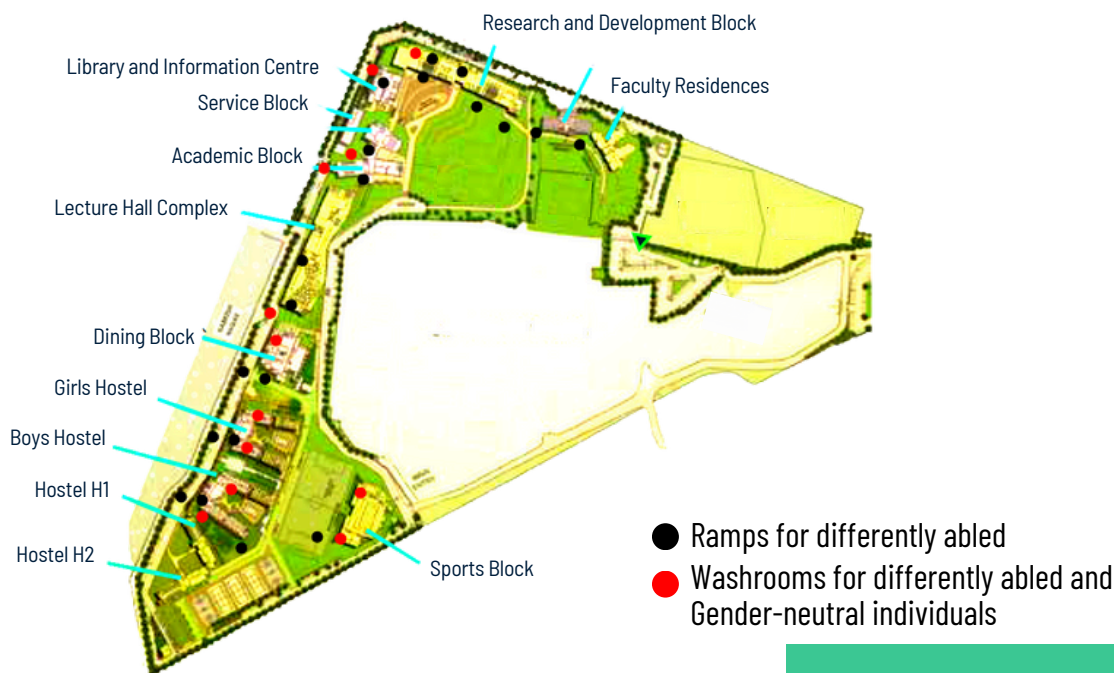
GENDER
SENSITIZATION

FINANCIAL
SUPPORT

GRIEVANCE
REDRESSAL

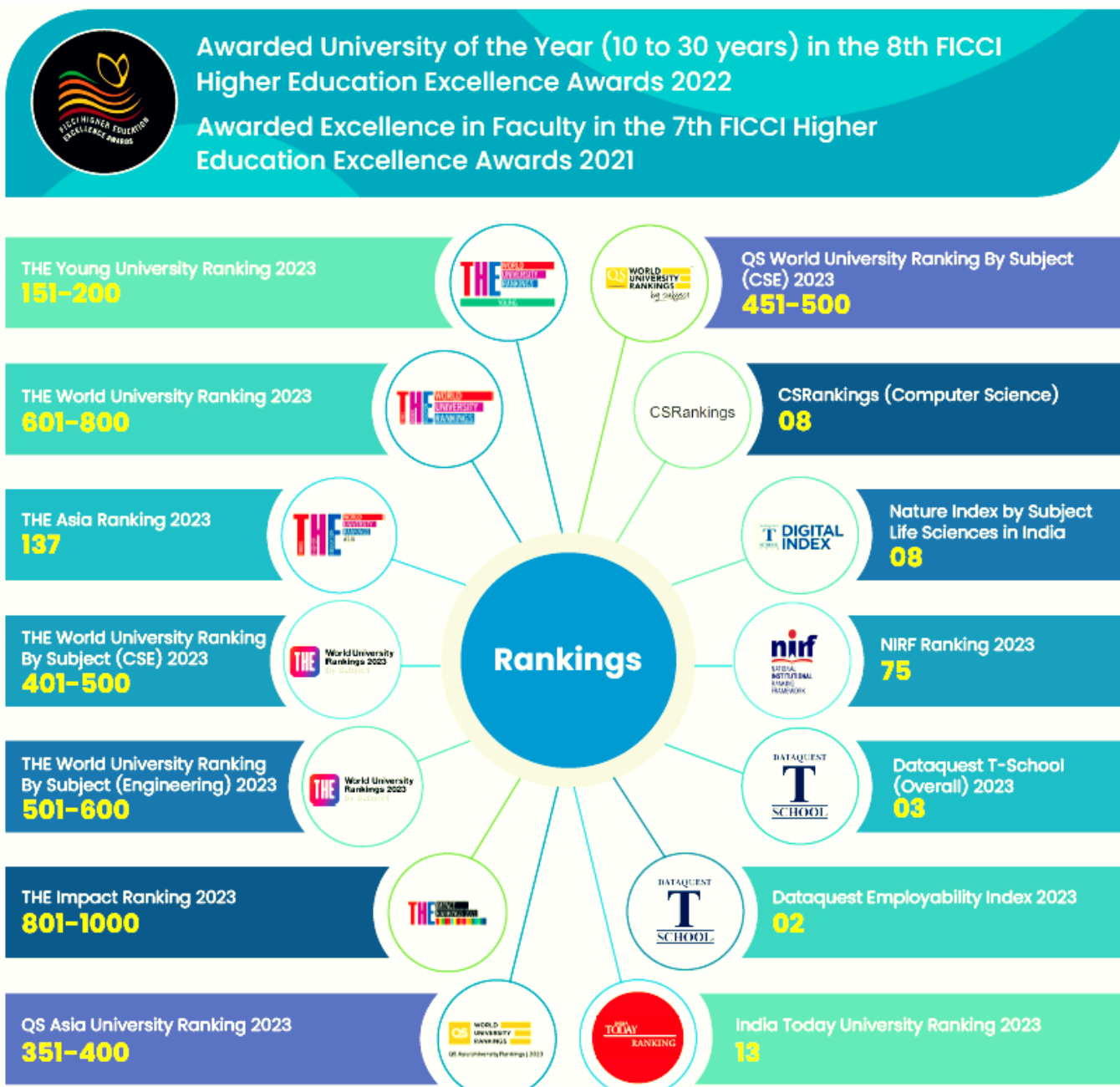
INTERNAL
COMPLAINTS COMMITTEE

Accessible Infrastructure



Institute Ranking

IIIT-Delhi has consistently earned accolades and recognition for its excellence in education and research. The Institute has secured a prominent position in various national and international rankings, reaffirming its stature as a premier technical institution. The dedication of faculty, outstanding research contributions, and innovative teaching methodologies have been acknowledged through numerous awards and honors received by IIIT-Delhi. These achievements reflect the unwavering commitment of the Institute in providing a world-class learning environment and fostering a culture of academic excellence.



Faculty and Officers



"An empowered and enriched workforce is the backbone of a company's success framework."

Ananya Birla

Founder and CEO of Svatantra Microfinance

Regular Faculty



Ph.D. (2012), Nanyang Technological University, Singapore

Research Interests:

Information Forensics and Security, Multimedia Signal Processing, Visual Surveillance and Deep Learning.

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Ph.D. (2018), King's College London, UK

Research Interests:

Governance, Public Participation, Social Movements, Civic Media and Journalism

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Ph.D. (2017), IIT Delhi, India

Research Interests:

Multi-band Optical Networks, Space Division Multiplexing, Quantum Key Distribution

Abhijit Mitra

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Ph.D. (2003), IIT Delhi, India

Research Interests:

Digital Communications, Wireless and Optical communications, Optical Networks

Anand Srivastava

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Ph.D. (2012), University of British Columbia, Canada

Research Interests:

Sparse Recovery, Low-rank matrix completion, Medical Imaging, Biomedical Signal Processing, Hyper-spectral Imaging, Collaborative Filtering

Angshul Majumdar

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Ph.D. (2019), IIT Guwahati, India

Research Interests:

AR/VR, The Metaverse, Tangible User Interfaces

Anmol Srivastava

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Ph.D. (2006), IIT Delhi, India

Research Interests:

Applications of Wavelet Transforms, Machine(Deep) Learning, and Compressed Sensing, Sparse Reconstruction, fMRI/EEG/MRI/DTI Signal and Image Processing, Genomics Signal Processing, Signal Processing for Communication Engineering, and RF Energy Harvesting

Anubha Gupta

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Ph.D. (2015), IIT Delhi, India

Research Interests:

Ultra Low Power In-Memory Compute for edge computing and machine learning applications; safety and security in hardware; and Error resilient energy efficient systems

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Ph.D. (2006), Panjab University, India

Research Interests:

Algebraic Coding Theory, Number Theory and Algebra

Anuradha Sharma

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Ph.D. (2019), Stony Brook University, USA

Research Interests:

Low latency compute and machine learning services, video streaming and physical layer of wireless networks

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Arjun Ray
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Ph.D. (2018), CSIR-IGIB, India

Research Interests:

Deciphering the mechanism of CRISPR-Cas9, Elucidating molecular interactions in the reverse cholesterol pathway, structural genomic problems



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Ph.D. (2016), Arizona State University, USA

Research Interests:

Cyber security, reinforcement learning and stochastic planning



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Ph.D. (2018), The University of Illinois at Urbana-Champaign, USA

Research Interests:

Partial Differential Equations (PDEs)



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Ph.D. (2018), Chalmers University of Technology, Sweden

Research Interests:

Distributed Machine Learning, Concurrent Data Structures, Neural Architecture Search, Learned Index Structures



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Ph.D. (2018), University of Maryland, USA

Research Interests:

Kinematics, Dynamics, Control and optimization of large-scale engineering systems with applications to system co-design, Robotics, Renewable Energy Systems, Power Networks, Neuroscience



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Ph.D. (2009), Boston University, USA

Research Interests:

Algorithms, Complexity Theory, Quantum Computing



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Ph.D. (2014), Jadavpur University, India

Research Interests:

Applied machine learning and genomics



Debidas Kundu
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Ph.D. (2018), IIT Kharagpur, India

Research Interests:

Analytical techniques for surface electromagnetics, metamaterial and metasurface, reconfigurable intelligent surface, reflectarray, scattering and polarization control of the electromagnetic wave.



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Ph.D. (2017), Harish-Chandra Research Institute, India

Research Interests:

Analytic and Probabilistic Number Theory



Deepak Prince
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Ph.D. (2022), Shiv Nadar University, India

Research Interests:

Anthropology of technology, screens and interfaces, political anthropology, violence and public art



Ph.D. (2022), University of Minnesota, USA

Research Interests:

Systems for AI, AI for Systems, Privacy and Security in AI, Technology Education for the Common People

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Ph.D. (2018), The Institute of Mathematical Sciences, India

Research Interests:

Parameterized Complexity, Graph Algorithms, FPT algorithms for problems arising in access control

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Ph.D. (2008), Korea University, Korea

Research Interests:

Cryptography, Cryptanalysis, Cyber Security, Information Theory

Donghoon Chang

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Ph.D. (1996), Institute of Microbial Technology, India

Research Interests:

Bioinformatics Application on Protein Modelling/ Engineering, Genomics and Informatics Solutions for integrating Biology (GENESIS), Integrative approach for designing biomolecules for cancer therapy, Application of bioinformatics in System Biology

G.P.S. Raghava

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Ph.D. (2007), CSIR-Hyderabad, India

Research Interests:

Complex Systems, Computational Biology, Complex Networks, Bioinformatics, Modeling and analysis of biological data

Ganesh Bagler

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Ph.D. (2015), University of Cologne, Germany

Research Interests:

Identification, deorphanization and characterization of ectopically expressed GPCRS

Gaurav Ahuja

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Ph.D. (2017), Iowa State University, USA

Research Interests:

Natural Resource & Agricultural Economics, Ecological Economics, Applied Econometrics, Industrial Organization, Applied Game Theory, Spatial Analyses, Remote Sensing

Gaurav Arora

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Ph.D. (2016), Jawaharlal Nehru University, India

Research Interests:

Urban informal labour and livelihood patterns with an emphasis on the question of technology, caste and gender

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Ph.D. (1991), Cornell University, USA

Research Interests:

Economics of food, nutrition and health, Agricultural and water markets, irrigation and price policy, Causal evaluation of policies and interventions

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Professor
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Ph.D. (2018), Universitat Rovira i Virgili (URV), Spain

Research Interests:

Human-Robot Interaction, Affective Computing and Machine Learning

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Jaspreet Kaur Dhanjal
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Ph.D. (2019), IIT Delhi, India

Research Interests:

Cancer genomics, personalized medicine, drug design and discovery



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Ph.D. (2022), National Taiwan University, Taiwan

Research Interests:

Fundamental and industrial applications of extended reality (XR), Haptic technologies in manual milling operations and welding systems



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(Math)
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Ph.D. (2015), University of Illinois at Urbana-Champaign, USA

Research Interests:

Applied and Computational Analysis, Geometry and Topology



Kiriti Kanjilal
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Ph.D. (2018), Washington State University, USA

Research Interests:

Microeconomics, game theory, industrial organization, environmental economics and behavioral economics



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Ph.D. (2017), Nanyang Technological University, Singapore

Research Interests:

Computer Vision, Image Processing, Multimedia Systems, Machine Learning and Artificial Intelligence



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Ph.D. (2013), LUISS University, Rome

Research Interests:

Moral and Political Philosophy, Digital dissent, digital citizenship, whistleblowing, civil disobedience, democratic secrecy, and epistemic injustice



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Research Interests:

Sentiment and Emotion Analysis in the Natural Language Processing domain, Dialog Management and Multimodal Analysis



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Research Interests:

Count data and statistical modeling



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Affective Cognitive Neuroscience, Visual-Spatial Cognition, Autism Spectrum Disorders, Learning-Memory



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Information Integration, Master Data Management, AI based entity analytics, Big data analytics and applications, and Blockchain data management



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Research Interests:

Wireless Networks, Mobile Computing and Systems



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Research Interests:

ML and DL approaches for Druggability prediction, QM fragmentation based approaches for Druggability prediction, Parallel virtual screening in HPCs and GPUs for accelerated drugs discovery, Flexible docking assisted Drugs discovery, Atomistic simulation of virus-host cell interaction



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Research Interests:

Positivity problems in Algebraic, Geometry, Moduli problems of vector bundles over projective varieties, Moduli problem of co-dimension one cycles



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Kantian transcendental Idealism, Husserlian phenomenology, Social and Political Philosophy



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System security, safe languages, virtualization and dynamic/static techniques to build systems



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Free noncommutative (NC for short) function theory, Homogeneous Cowen-Douglas operators and differential geometry



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Research Interests:

Distinctiveness of everyday political practices in new urban spaces



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Optimisation for signal processing and communications, machine learning, and transportation.



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Multimodal semantic and sentiment analysis of user-generated social media content



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Research Interests:

Computational nanoelectronics, spintronics, quantum transport simulation, device modeling, materials modeling, and multiscale modeling



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Research Interests:

Causal Inference, Survival analysis, and sparsity in Bayesian neural networks



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Classical and quantum cryptanalysis of symmetric ciphers, Design of symmetric Ciphers



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Research Interests:
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Research Interests:
Software-Defined Networking, Data plane programming, 4G/5G mobile networks



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Research Interests:
Discrete Choice Models, Network Formation Games, Optimal Stopping Problems



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Research Interests:
Geometric Computer Vision, Semi-supervised learning, Robust methods, Scene understanding



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Research Interests:
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Research Interests:
Age-of-Information, Networking for Cyber Physical Systems, Networks of Autonomous Vehicles, and Autonomous Driving



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Mathematical Logic – intuitionistic logic and paraconsistent logics



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Research Interests:

Adaptive control for uncertain switched systems, online approximate optimal control using reinforcement learning based solutions, adaptive backstepping control



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Research Interests:

Conceptualize Model Design and Test Electromagnetic Sensors for Following Applications - Through-wall radar sensing of humans, EMI based sensing of energy consumption in buildings, On-chip wireless interconnects



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Research Interests:

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Research Interests:

Number theory and its interactions with geometry and dynamics



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Research Interests:

Gender, Violence, Northeast India, Poetry and Fiction in Ethnography of Violence, Digital Ethnography



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Research Interests:

Role of attention in visual processing, studying mechanisms of emotion and motion perception



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Research Interests:

Systems biology, Cell division cycle, Circadian rhythms, Computational cognitive neuroscience



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Research Interests:

High order schemes for numerical solution of partial differential equations, Optimal control theory, Parallel implementation of computational fluid dynamics related problems



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Multi-core processor architectures, Wireless network on-chip, Emerging interconnection technologies for multi-core chips



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Randomized Algorithms, Randomized Numerical Linear & Multilinear Algebra, Theoretical & Practical aspects of ML/DL models



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Intersection of theoretical computer science and discrete optimization



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Research Interests:

Convolutional Neural Networks for some image processing tasks



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Robot path and task planning, Robot planning under uncertainty, Multi-robot coordination



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Research Interests:
Acoustic modelling and coding, voice biometrics, pathological speech and audio categorization



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Research Interests:
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